

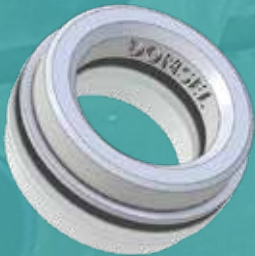


Marston-Domssel GmbH

*Your partner for sealing, adhesive,
safety and fixing systems*

PRODUCT CATALOG

SEALANTS • ADHESIVE • PROTECTION • FASTENING



DOMSEL - Radial shaft





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About us

Excellent products for almost all industrial fields of application

MARSTON-DOMSEL manufactures and markets a lot of technically highly developed sealants, anaerobic liquid plastics and adhesives as well as other auxiliary materials worldwide for trade and industry.

More experience – more innovation

Decades of experience have made MARSTON-DOMSEL a household name in the industry. We will continue to aim for the continuous optimisation of our product range in the future so that we can continue to set standards for functionality and performance. Problems are solved in collaboration with competent technicians not just in Germany but also worldwide. All internationally acquired experience is incorporated together with research results to the benefit of the customer.

More functional reliability

The most modern process technologies are used for manufacturing from incoming goods through to despatch. The introduction of the DIN EN ISO 9001 quality management system has meant significant improvements in reproduction reliability. This reliability helps you to remain competitive in future and to count on the outstanding quality of the products. Some products are not rated "good" and "excellent" according to the strict criteria of the German consumer association „Stiftung Warentest“ for nothing.

Greater cost-effectiveness

The manufacturing facilities fulfill all relevant international standards. Due to optimised manufacturing processes MARSTON-DOMSEL can pass on the benefits of costeffective production to the customer.

Technical support

With our internationally acquired experience new research results are analysed so that customers worldwide can count on a competent consulting service. The constant exchange of experience between MARSTON-DOMSEL and consumers will also help to continuously improve products in the future.

Our own laboratory

We have our own laboratory, where we perform custom tests such as resistance tests, plasticity measurement, tensile measurements, temperature tests and viscosity measurements. Here we also test, analyse and check the functional safety of our own products so that we can continue to make improvements and offer you the best products possible.

On-site consultation

Depending on the complexity of the situation, an on-site analysis may be useful in solving application problems. MARSTON-DOMSEL offers on-site technical consultation within Germany as well as worldwide. We offer product-specific training in all countries of the world so that we can share our experience.

Tested quality matters to us!



We carry numerous approved products as well as various non-labelled products.



You can find more information on our secondary plant Domsel Sealing rings from page 82.

SEALANTS

High-quality one-component silicone sealants

The areas where sealants are used are as diverse as the areas of our daily life. MARSTON-DOMSEL manufactures a variety of technically highly developed sealants worldwide for trade and industry.



ADHESIVES

Instant adhesives: various types and viscosities

Gluing technology is one of the oldest joining methods known to mankind. Long before screws, rivets, soldering and welding were invented, adhesion was achieved by gluing. MARSTON-DOMSEL high performance adhesives ensure successful and secure adhesion in almost all fields of industry even under the toughest of conditions.



PROTECTION

Screw retentions, bushing and bearing fasteners, pipe thread sealants, surface sealings

Loose bolts, e.g., can have fatal consequences in vehicle construction, for railways, aeroplanes as well as in engineering (turbines, pumps, construction machines etc.). This is why MARSTON-DOMSEL safety products play a major role in all areas in which vibration occurs, safety and quality is important.



FASTENING

The new generation of MARSTON-DOMSEL high-performance adhesives and sealants offers outstanding functional properties even on the most difficult materials. The fixings specialists prove their strength wherever conventional sealants and adhesives can no longer fulfill the demanding requirements.



SPECIAL PRODUCTS

MARSTON-DOMSEL offers customised solutions for a wide variety of applications and repair tasks regardless of whether they are in the professional industrial sector or for private purposes.



WORK TOOLS

Dosing pistols, dosing nozzles, capillary nozzles

MARSTON-DOMSEL offers a complete service - from consulting and technologically advanced sealants, liquid plastics, anaerobic adhesives and maintenance of dosing nozzles technical equipment.



SEALANTS | MARSTON Universal-Sealant free

Marston Universal seal non hazardous!

- Contains no isocyanates
- Not dangerous
- Without hazardous substances
- Permanently plastic
- Excellent adhesion on sealing surfaces
- Ready for use quickly
- Resistant to many media
- Easy dismantling
- Remains plastic, no cracking
- No flash-off required



Temperature resistance up to +200°C

Resistance:

MARSTON Universal sealing is inter alia resistant to all mineral oils and a variety of synthetic oils to lubricants, fuels, additives, air, gases, water and water-antifreeze mixtures. Permanently plastic, very adhesive sealant. Due to its excellent thermal, mechanical and chemical resistance, is MARSTON free universal sealant particularly suitable for demanding and critical sealing compounds.

item number/unit		
MMD.F.T85	tube 85 g	unit 6
MMD.F.T85-BK	tube 85 g / blister card	unit 10
MMD.F.DL200	compressed air can 200 g	unit 12
MMD.F.K300	cartridge 300 g	unit 20



Approvals for our Marston Universal-sealant



Nonfood Compounds
Programm Listed P1
(Registration 148099)



SEALANTS | MARSTON Universal-Sealant

Our permanently plastic universal sealant MARSTON has proved itself in all industrial areas and is used worldwide by leading industrial concerns.



metal - metal
metal - plastic
plastic - plastic

Sealed with MARSTON means 100% sealed

Permanently plastic, economic in use, resistant to oils, greases, fuels, water, gas, air, anti-freeze etc.

- Permanently plastic
- Extremely good adhesion to the sealing surface
- Temperature resistance from approx. -55 to +270°C and up to +300 °C for short periods
- Ready for use quickly
- Resistant to many substances
- Universally applicable for many different sealing tasks
- Easy dismantling
- No corrosion



Marston DuraPRESS

With the newly developed DuraPress dosing system you can apply MARSTON sealant in the usual manner - top quality – with complete control. The new art of sealing in compressed-air technology permits effortless work within all areas regardless of whether precise dosing or long even joints are needed. Even areas, which are difficult to reach can be sealed overhead.

Seal properly with DuraPRESS

- Innovative pressure dosing
- Lasts for years
- Ready for use immediately
- Particularly for hard to reach places
- Precise dosing
- Trouble-free uniform joints
- Handy pressure cylinder form
- No residues in the 200 g cartridge



Areas of application:

The automotive and motorcycle industries, tractor industry, engine and electrical industries, turbines and nuclear power stations, machine and transmission construction, the foodstuffs industry, mining, chemical and petrochemical industries, gas, water and electricity works etc.



Processing note:

The sealing faces MARSTON CLEANER clean. MARSTON universal seal onto one side, with strong roughness on both sides and dry for about 10 minutes. Then assemble parts. Retighten the screw connection after 10 minutes. No longer waiting time required!



item number/unit

MMD.T20	tube 20 g	unit 20
MMD.T20-BK	tube 20 g, blister card	unit 10
MMD.T80	tube 85 g	unit 10
MMD.T80-BK	tube 85 g, blister card	unit 10
MMD.D250	brush-in-lid can 250 g	unit 12
MMD.D800	tin 850 g	unit 6
MMD.K200	DuraPRESS 200 g	unit 12
MMD.K300	cartridge 330 g	unit 20

SEALANTS | SILICONE

High-quality silicone sealant

MD SIL oxime tubes

This high-quality single-component silicone sealant vulcanises at room temperature. Outstanding cold, heat and ageing-resistance with an extensive range of uses.



- Optimum full hardening speed (3 mm/24 hours)
- Economic in use
- Simple handling
- Red temperature-resistant up to +300°C
- Oxime - no corrosion and odourless

item number/unit		
MSI.R.T80-BK, red/blister card		unit 8
MSI.S.T80-BK, black/blister card		unit 8
MSI.T.T80-BK, transparent/blister card		unit 8

MD SIL oxime cartridges

- Weather and UV-resistant
- No corrosion
- Waterproofing for electronic components odorless
- High speed networking
- High temperature resistance



item number/unit		
MSI.S.K200-O, black		unit 12
MSI.Gray.K200-O, gray		unit 12
MSI.S.K300-O, black		unit 12

Temperature resistance

tube 85 g	
transparent, oxime	-50°C to +250°C
black, oxime	-50°C to +250°C
red, oxime	-60°C to +300°C

Automatic-cartridge 200 ml

transparent	-60°C to +260°C
black	-50°C to +260°C
black, oxime	-50°C to +250°C
gray, oxime	-60°C to +250°C
red	-60°C to +300°C
aluminium	-50°C to +260°C

cartridge 300 ml

transparent	-50°C to +260°C
black	-50°C to +260°C
red	-60°C to +300°C



SEALANTS | SILICONE

MD SIL 200 ml LinRoc II® Automatic-cartridge



The LinRoc II® cartridge is a sophisticated, patented system for easy bonding of solid and hard-to-handle materials.

Characteristics:

- Easy and controlled handling
- Very accurate product extrusion
- Twist lock system and overcap: Inhibits curing and product dry-out in nozzle
- For vertical, horizontal or even upside-down application

Note: MD SIL aluminium continues to be supplied in the conventional 200 ml automatic cartridge.

item number/unit	MD SIL 200 ml/LinRoc II® / Aluminium automatic cartridge
MSI.R.NK200, red	unit 12
MSI.S.NK200, black	unit 12
MSI.T.NK200, transparent	unit 12
MSI.A.K200, aluminium	unit 12

MD SIL 300 ml cartridges

Areas of use



The automotive industry (for oil sumps, transmissions, refrigeration industry, shipbuilding industry, caravan construction, many areas within the home, tractor construction, the engine and electrical industries, turbines and nuclear power stations, engineering and transmission manufacturing, mining, chemical and petrochemical industries, gas, water and electricity utilities and many more possibilities).

MD SIL is a high-quality single-component sealant, which vulcanises into silicone rubber at room temperature. MD SIL remains elastic with high adhesion and can therefore withstand dynamic stresses such as impacts and vibrations. MD SIL replaces conventional solid gaskets and can be used universally. MD SIL has very high temperature resistance from -60°C to +230°C, the red version up to +300°C.

Product features:

- Excellent cold, heat, and ageing resistance with a broad range of applications
- Can be applied to many substrates
- High viscosity
- Good media resistance

Product description:

MD SIL has an extremely high adhesion to metals. MD SIL prevents corrosion. MD SIL Oxim black is a high-quality, heat-resistant, neutrally-crosslinking silicone sealant that is resistant to weathering, vibration, moisture, and high temperatures. MD SIL cures after 24 h. After this time, it can withstand temperatures of up to +260°C. Under the influence of humidity, MD SIL vulcanises to form a durable rubber seal.

item number/unit	MD SIL 300 ml/cartridges
MSI.R.K300, red	unit 12
MSI.S.K300, black	unit 12
MSI.T.K300, transparent	unit 12



SEALANTS | LIQUID BLOCK



MD LIQUID BLOCK UNIVERSAL SEALANT

One-component, solvent-free, water-tight seal for horizontal and vertical surfaces

- Ready to use (one-component, no mixing required)
- Low viscosity product
- Solvent-free
- Isocyanate free
- Contains no Dibutyltin particles
- Excellent workability
- Water vapour permeable
- Temperature resistant from -40 ° C to +90 ° C
- Excellent adhesion to many substrates such as concrete, wood, ceramic, metal and much more, also without a primer
- Adheres to old and wet surfaces
- Good gap bridging
- Outstanding resistance to chemicals
- Good UV- and weather resistance
- Can be painted over
- Cures at room temperature
- Easy to work at - 5 ° C to + 40 ° C
- Short curing times
- No subsequent surface stickiness



MD LIQUID BLOCK is a universal seal for the most diverse areas, such as roofs, walls, wet cells. For vehicles as a complement to underbody protection and as a spreadable seam sealant. The manufacture of waterproofing for roof lights, skylights, gutters, pipe junctions, wall connections, chimney connections, outdoor ventilation etc. waterproofing balconies and terraces under tiles and coverings is easily possible. Waterproofing of cracks and fractures in masonry. MD LIQUID BLOCK suitable for substrates such as Styrofoam, plastics, concrete, wood, stone, metal, sanded roofing felts. MD LIQUID BLOCK provides a crack-bridge of at least 10 mm, it is UV resistant and not sensitive to rain and spray water (even during curing).



MD fix SEAL spray
more information on page 72.

Processing:

The surfaces must be firm, sound and free of contaminant matter (dust, oil, dirt etc.). Remove all residues of previous coatings thoroughly. MD LIQUID BLOCK has excellent adhesion to many construction materials such as concrete, glass, plaster, ceramics, tiles, wood, and various metals such as aluminium, steel, zinc and copper. Does not discolour metals, even those that are not painted. Bitumen can cause discolouration. Please always carry out preliminary tests! MD LIQUID BLOCK can also be used without primer on damp surfaces, however, not in standing water. MD LIQUID BLOCK can be used directly from the container, only stirring is required prior to application. It can be applied with a roller or brush/wide paint brush to a thickness of 2 coats of 1 mm. After drying, a layer thickness of about 2 mm should have been achieved. Apply the second layer after the first layer if completely dry (about 3 hours at 23 ° C and 50% relative humidity). After 12 hours (at 23 ° C and 50% relative humidity) the treated area is completely dry and downstream activities can be resumed. Temperature variations and / or changes in humidity can cause delayed curing. Use approx. 1.4 to 2.0 kg/m². Connection and expansion joints must be properly prepared in order to achieve optimal results. Professionals backfill material is unavoidable here (for example, for extrusion foamed polyethylene). For optimum elasticity of the sealant over the joints go to 2: 1 or max. 1: 1 width / depth ratio of the joint (minimum joint width 6 mm, maximum 20 mm).



item number/unit		
MLB.G.T80-BK	tube 80 g	unit 10
MLB.G.D1	tin 1,2 kg	unit 6
MLB.G.E7	bucket 7 kg	unit 1
MLB.G.E14	bucket 14 kg	unit 1
MLB.G.K220	cartridge 220 g	unit 12
MLB.G.K440	cartridge 440 g	unit 20

ADHESIVES | MOUNTING ADHESIVE, WINDSCREEN ADHESIVE, FLEX PU



item number/unit
 MMK.W.K290 450 g cartridge unit 12
 MK 3000 mounting adhesives with ISEGA
 certificate.
 MMK.ECO.K430 430 g cartridge unit 12

MD MK3000

Mounting adhesive with immediate initial adhesion

MD MK 3000 is the new generation of mounting adhesives and has a very strong initial bonding. Bonding of heavy parts in vertical positions and ceiling mounting is possible. Unlike with conventional adhesives it is also possible to bond heavy items such as stones, wood, tiles and metals to walls and ceilings with MD MK 3000 without sagging and sliding off.

- Immediate initial bonding
- Odourless
- Resistant to weather, UV radiation, water, chlorine etc.
- Quick, simple and cost-effective bonding of materials
- Isocyanate and silicone-free
- Can be painted over or coated
- Permanently elastic and universally applicable

Areas of application:

Universal adhesive for bonding various building materials such as: (natural) stone, concrete, mirrors, glass, plasterboard, polycarbonate, PS, PU, PVC, polyester, plastics, email, ceramic, copper, lead, zinc, aluminium, metals, R.V.S., wood etc. MD MK 3000 is free of isocyanates, phthalat, solvents and silicone. Extreme high initial grab to bond heavy building materials without the use of Clamps and/or tape. MD MK 3000 for inside and outside use in building and industry constructions.

MD MK ECO Mounting adhesive

MK ECO Mounting adhesive is a universal, multi-purpose, high-quality professional sealant and installation and construction adhesive that is based on hybrid technology and moisture-cures into a durable rubber that retains its elasticity.

Suitable for gluing all (construction) materials such as wood, stone, concrete, metal and many plastics on almost all surfaces made of stone, concrete, wood, metal, plastic, paving stones, plasterboard, etc. Also very suitable for gluing two non-porous materials.

Very well suited for the assembly of timber framework, skirting boards, door sills, slats (made of wood or plastic), wainscoting, window sills, ceramic tiles, plasterboard panels, drywall, wood strips, wall cladding, insulation, soft and hardboard, name boards, house numbers, hanging hooks, sockets and switch boxes.

Suitable for decorative materials, such as ornaments and moulded parts in plaster, polyurethane and foam polystyrene.



item number/unit
 MSK.K290 420 g cartridge unit 12
 MS windscreen adhesive
 with TÜV Nr. 09-00781-CP-GBM

MD MS WINDSCREEN ADHESIVE

Permanently elastic damp-hardening single-component sealant and adhesive for constructive connections, which require a high degree of stability.

The new MS Polymer technology (modified silane polymers) combines the advantages of different sealants and adhesives such as PUR, silicone, acrylate and butyl rubber in one product. Silicone and halogen-free. Environment friendly, contains no isocyanates and is solvent-free.

Application:

Gluing vehicle windcreens, gluing and sealing sunroof systems, constructional gluing in bodywork, container, wagon and vehicle construction, sealing weld seams, floor and connecting joints if necessary also on wet surfaces, gluing corner profiles (window construction) and floor structures, ventilation and air conditioning technology, apparatus engineering, plastics technology and structural and underground engineering.

MD FLEX PU

is a high-quality, one-component adhesive and sealant for universal use. MD FLEX-PU remains elastic with high stability and can thus compensate for dynamic loads such as impacts and vibration.

- Silicone-free
- Permanently elastic and universally applicable
- Reliably seals seams
- Resistant to weather, UV radiation, seawater etc.
- Has a Shore hardness of 50 and therefore extremely good inner stability
- Odourless hardening




Areas of application:

Bonding of metals, wood and plastics together and to each other in container construction, metalworking, apparatus construction, air conditioning, yacht/boatbuilding, bodywork and vehicle and window construction. Elastic sealing of joints and seams even in areas where silicone cannot be used (silicone contamination when painting). Available in gray, black and white.








item number/unit
 MPU.S.K310 black 360 g cartridge unit 12
 MPU.G.K310 gray 360 g cartridge unit 12
 MPU.W.K310 white 360 g cartridge unit 12

MD Flexible adhesives and sealants




	Multi-purpose application	High temperature	Self-levelling
	MS POLYMER	MS POLYMER HT	MS POLYMER sprayable
			
Colour	white, gray, black, transparent	white, gray, black	white, gray, black
Consistence	pasty / thixotropic	pasty / thixotropic	self-levelling
Shore A Härte (DIN EN ISO 868)	Colour: 60 Transparent: 45	60	40
Curing time 24 h	Colour: 3,0 mm Transparent: 2,0 mm	3 mm	± 2 mm
Skin formation time	Colour: 10 min Transparent: 10 min	10 min.	16 min.
Tensile strength (DIN 53504)	Colour: 2,7 MPa Transparent: 2,4 MPa	2,20 MPa	1,20 MPa
Breaking elongation (DIN 53504)	Colour: 300% Transparent: 250%	ca. 280%	400%
Operating temperature range	Colour: -40°C to +100°C, short term up to +130°C Transparent: -40°C to +100°C	-40°C to +100°C, short term up to +200°C	-40°C to +100°C
Use/speciality	Bonding of metals, wood and plastics with and among each other in container construction, Sheet metal processing, Apparatus engineering, yacht and boat building, bodywork and vehicle construction.	Stress-free structural bonding of metals, air conditioning technology, bodywork and vehicle construction. High temperature resistance. Powder coating possible.	Sprayable seam sealing and sealing compound in one. Replaces and repairs sealing seams. Low viscosity.
Container size	Colour: 440 g Transparent 300 g tube: 60 g, bag: 900 g	440 g	450 g







Immediate initial adhesion	Multi-purpose application	Fast curing 2-component system	High curing speed	Constructive connections
MK 3000 Mounting adhesive	Flex PU	2K MS POLYMER	Liquid Block	Windscreen adhesive
				
white	white, gray, black	gray, black	gray	black
thixotropic	pasty	stable	self-levelling	pasty
58	50	40	35	ca. 57
3 mm	4 mm	gray, complete 1 hour black, complete 4 hours	1 mm (3 h)	ca. 3 mm
10-15 min.	ca. 60 min.	gray 15 min./black 35 min.	20-40 min.	ca. 15 min.
2,18 MPa	2,10 MPa	gray 2,2 MPa black 2,4 MPa		2,5 MPa
335%	>400%	gray 350% black 300 %	300-400%	ca. 180%
-40°C to +100°C, short term up to + 120°C	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C
Immediate initial adhesion. Fast curing. For indoor and outdoor use. For wood, metals, and plastic	Absorbs vibration and sound Good media resistance, seam sealing.	Very fast curing without moisture even with larger materials. Optimal for series production.	Sealing of Styrofoam®, plastics, concrete, wood, stone, metal, sanded roofing felt	Tested bonding of glass and metal, usually without primer.
450 g	360 g	35 g, 65 g, 300 g, 500g	80 g, 220 g, 440 g, 1,2 kg, 7 kg, 14 kg	420 g



ADHESIVE | MS POLYMER HIGH QUALITY ADHESIVE

MS POOL FLEX	MS STEEL FLEX	MS ULTRA FLEX
		
<ul style="list-style-type: none"> ■ Sealing and gluing of GRP, PVC and foils ■ permanently elastic ■ can be used under water ■ sandable ■ suitable for damp substrates 	<ul style="list-style-type: none"> ■ metallic effect ■ surface in 3D optics ■ good UV resistance ■ silicone free ■ free from solvents ■ chemical resistant ■ weatherproof ■ very little shrinkage ■ Surface similar to weld seam 	<ul style="list-style-type: none"> ■ extremely high final strength ■ free from isocyanate and silicone ■ can be painted and painted over ■ permanently elastic ■ 42 kg tensile strength cm² ■ sandable ■ weather resistant
<p>MS POOL FLEX can be used on or in swimming pools, garden ponds and aquariums. Adhesion, repairs and sealing to almost all surfaces underwater. Can come into direct contact with water and worked with underwater.</p> <p>MS POOL FLEX special adhesive for bonding and sealing: glass, natural stone, wood, steel, copper, aluminium, plastics, PVC, EPDM and rubber foils, pool liners, and GRP.</p> <p>Temperature resistance from -40°C to +100°C (+130°C short-term 2-3 hours) Application temperature: +5°C to +40°C.</p>	<p>Example use cases: Tension-free bonding and sealing for vehicle, body and container construction, for joints subject to stretching in metal work and ventilation system construction, sealing stainless steel basins and channels, for use on anodised aluminium, numerous painted surfaces, aluminium powder coatings and galvanised sheet steel.</p> <p>Temperature resistance from -40°C to +100°C. Application temperature: +5°C to +40°C. MD MS STEEL FLEX can be used as an adhesive and for joint sealing.</p>	<p>Example use cases: Tension-free bonding and sealing for vehicle, body and container construction, for joints subject to stretching in metal work and ventilation system construction, sealing stainless steel basins and channels, for use on anodised aluminium, numerous painted surfaces, aluminium powder coatings and galvanised sheet steel.</p> <p>Temperature resistance from -40°C to +100°C (+130°C short-term 2-3 hours). Application temperature from +5°C to +40°C.</p>
<p>item number/unit MMS.B.K290, blau cartridge 440 g unit 20</p>	<p>item number/unit MMS.SI.K290, silber cartridge 300 g unit 20</p>	<p>Item number/unit MMS.U.K290, weiss cartridge 440 g unit 20</p>
MS POLYMER tube	MS POLYMER bag	MS POLYMER Automatic cartridge
		
<p>Item number/unit MMS.W.T60, white tube 60 g unit 10</p>	<p>Item number/unit MMS.S.B600-B, black bag 900 g unit 12 MMS.W.B600-B, white bag 900 g unit 12 MMS.G.B600-B, gray bag 900 g unit 12</p>	<p>Item number/unit MMS.W.K200, white Automatic cartridge 300 g unit 12</p>

ADHESIVE | MS POLYMER

MS POLYMER	MS 2K POLYMER	MS POLYMER sprayable
		
<p>Free from isocyanate and silicone MD MS Polymer is a high quality adhesive based on MS polymers</p> <ul style="list-style-type: none"> ■ Isocyanate and silicone-free ■ Can be painted over or coated ■ Permanently elastic ■ Applicable wet-on-wet ■ Resistant to UV radiation, weather, salt water and chlorine ■ Excellent adhesion on many surfaces ■ Rapid hardening ■ Available in white, black, grey and clear ■ Temperature-resistant from -40°C to +100°C (+130°C possible for short periods of 2-3 hours - except clear) ■ Processing temperature +5°C to +40°C ■ Resists some solvents ■ Polymerize even in thicker layers ■ Low shrinkage ■ Very suitable for natural stones 	<p>MD MS 2K Polymer is a high-quality MS Polymer-based adhesive. Resistant to UV, weather, water, damp and chlorine. MD MS 2K Polymer adheres extremely well to many surfaces in most cases without primer. Its temperature resistance range is between -40°C and +100°C.</p> <p>2K MS Polymer adheres to various types of materials, including those that are not open to diffusion. Very good adhesion to, for example, metal, plastic, ceramic, stone, concrete, wood, powder-coated, chromated, galvanised, anodised and hot-dip galvanised surfaces. The 300 g peeler cartridge can be processed with any commercially available silicone press.</p> <ul style="list-style-type: none"> ■ Rapid hardening due to 2K system ■ Hardening without humidity even with large surfaces ■ Isocyanate and silicone-free ■ Can be painted over or coated ■ Permanently elastic ■ Applicable wet-on-wet 	<p>MD MS Polymer is sprayable sealant and seam sealer in one. Sprayable seam sealer for overlapping plates and welds in the original structure. Good adhesion to metals (zinc, aluminum, steel), primed and painted metal, wood materials, many duro- and thermoplastics</p> <ul style="list-style-type: none"> ■ Sound inhibitory effect ■ Solvent, isocyanate and silicone-free ■ Very good UV-resistance and aging stability ■ Spray and spreadable <p>A product for two applications</p> <ul style="list-style-type: none"> ■ Painted over immediately (wet-on-wet) ■ Permanently elastic after curing ■ Minimize the formation of cracks in the paint ■ Improved stone guard ■ Resistant to mechanical damage <p>MD MS Polymer sprayable adheres to most substrates without priming and primer. ■ Rapid skin formation ■ Vibration absorption ■ Silicone and isocyanates ■ Be spot welded in an uncured state also ■ suitable as a casting compound</p>
<p>Item number/unit MMS.K290, gray cartridge 440 g unit 20 MMS.K290-W, white cartridge 440 g unit 20 MMS.K290-S, black cartridge 440 g unit 20 MMS.K290-T, transparent cartridge 300 g unit 20</p>	<p>Item number/unit MMS.2K.G.S50, gray double syringe 65 g unit 12 MMS.2K.G.S400, gray double syringe 500 g unit 6 MMS.2K.G, gray cartridge 300 g unit 16 MMS.2K.S.S400, black double syringe 500 g unit 6 MMS.2K.S.S300, black cartridge 300 g unit 16</p>	<p>Item number/unit MMS.G.S450, gray cartridge 450 g VE12 MMS.S.S450, black cartridge 450 g VE12 MMS.W.S450, white cartridge 450 g VE12</p>
<p>MS POLYMER HT High Temperature MS Polymer</p> 	<p>Special MS polymer which is characterised by its high temperature resistance. This means that glued and sealed components can be powder-coated.</p> <ul style="list-style-type: none"> ■ Temperature-resistant from -40°C to +100°C (+130°C possible for short periods of 2-3 hours) ■ Processing temperature +5°C to +40°C ■ Ideal for powder coating ■ Low shrinkage <p>Application areas: Tension-free structural bonding/stainless steel constructions. Bonding of metals, sheet metal working, apparatus construction, air conditioning, bodywork, and vehicle construction. High temperature resistance.</p> <p>item number/unit MMS.HT.W, white cartridge 440 g unit 20 MMS.HT.G, gray cartridge 440 g unit 20 MMS.HT.S, black cartridge 440 g unit 20</p>	

ADHESIVE | CA-STAR 2K

2K adhesive cyanoacrylate



MD CA-STAR 2K

2K adhesive cyanoacrylate

Best adhesion properties on many different materials: metal, many plastics, such as PVC, ABS, PC, PBT, rubber, porous/absorbent materials such as wood, paper, cardboard, leather and textiles.

Mixing ratio: 4:1

Processing time: approx. 3 minutes, temperature-dependent

Temperature resistance: -40°C to +80°C, short term up to +120°C

Application temperature from -25°C

- Thixotropic
- Drip free
- Extremely impact resistant
- Mechanical editable
- Gap fill up to 6 mm
- Applications overhead and in vertical locations
- Good chemical resistance
- Low blooming
- Transparent bonding of PMMA

item number/unit

MGL.STAR.S50 double cartridge 50 g unit 10

MGL.STAR.S10 double syringe 10 g unit 10



Overview

	CA-STAR 2K	CA-STAR 2K FLEX
Mixing ratio	4:1	4:1
Processing time	approx. 3 minutes, temperature-dependent	approx. 5-6 minutes
Temperature resistance	-40°C to +80°C, short term up to +120°C	-40°C to +80°C, short term up to +120°C
Application temperature	from -25°C	from -25°C
Gap filling	up to 6 mm	up to 6 mm
Elongation at break		200%

ADHESIVE | CA-STAR 2K FLEX

2K adhesives based on cyanoacrylate methoxyethyl



Flexible and elastic



Gap filling



Non-irritant
Label free



Impact and vibrati-
on absorbing

MD CA-STAR 2K FLEX

2K adhesives based on cyanoacrylate methoxyethyl

Best adhesion properties on many different materials: metal, many plastics, such as PVC, ABS, PC, PBT, rubber, porous/absorbent materials such as wood, paper, cardboard, leather and textiles.

Thixotropic ■ Drip free ■ Extremely impact resistant ■ Mechanical editable ■ Applications overhead and in vertical locations ■ Good chemical resistance ■ Low blooming ■ Transparent bonding of PMMA ■ Odorless ■ Non hazardous

Mixing ratio: 4:1

Processing time: approx. 5-6 minutes, temperature-dependent

Temperature resistance: -40°C to +80°C, short term up to +120°C

Application temperature from -25°C







Breaking elongation 200%








item number/unit

MGL.STAR.F.S50	double cartridge 50 g	unit 10
MGL.STAR.F.S10	double syringe 10 g	unit 10



MD GLUE selection table

Which materials do you wish to bond?				
	Elastomers or plastics that are difficult to bond (e.g. PE, PP, PTFE, silicone)?	All other materials (except for glass)		
		Small gap up to 0.15 mm		
	Defined small gap < 0.15 mm	Multi-purpose	Impact-resistant	Bendable connection
Solution ▶▶	GLUE BS.406	GLUE 111.495	GLUE SW4.480	GLUE EL.4850
				
Release				
Fixture time	2 - 10 sec.	5 - 15 sec.	5 - 40 sec.	3 - 10 sec.
Viscosity	3-10 mPa.s	35-70 mPa.s	500-1.000 mPa.s	90-120 mPa.s
Colour	transparent	transparent	black	transparent
Temperature resistance	-50°C to +80°C	-50°C to +80°C	-50°C to +120°C	-60°C to +80°C
Container sizes	10, 20, 50, 500 g	4, 5, 10, 20, 50, 500 g	20, 50 g	20, 50 g
	For bonding rubber, plastic, steel, metals and EPDM. Bonds quickly. Practical information: Primer No. 7 PP, PE, silicone, and Teflon® cannot be bonded together without pre-treatment. If these materials are bonded only with adhesive without primer, only adhesion and not firm bonding is achieved. The primer allows the bonding of polyolefins (polyethylene, polypropylene), PTFE, silicones, and other hard to bond materials.	For high-strength bonding of metals and plastic combinations. Universally applicable. Application: metal, rubber, plastic, glass, leather	Black impact-resistant instant adhesive. For bonding rubber and metals.	Stay flexible! Bendable to 180°, for rubber and rubber-plastic combinations. Particularly suitable for O-rings and rubber components which are subjected to continual movements.

		Gap up to 0.5 mm		Gap up to 6 mm					
Low efflorescence, low odour		High temperatures		Gel/durable		Gap-filling		Flexible	
GLUE Rapid Secure		Premiun GLUE Heat		GLUE/GEL 454		CA.STAR		CA.STAR flex	
									
 									
5 - 35 sec.		ca. 15 - 45 sec.		5 - 60 sec.		ca. 20 - 80 sec. depending on the material		ca. 45 - 180 sec. depending on the material	
ca. 120 - 170 mPa.s		ca. 280 - 320 mPa.s		ca. 50.000 mPa.s thixotrop		ca. 195.000 mPa.s		155.000 mPa.s	
transparent, colorless		transparent, colorless		transparent		transparent		transparent	
-40 to +80°C		permanent to +150°C		-60°C to +80°C		-40°C to +80°C short term up to +120°C		-40°C to +80°C short term up to +120°C	
20 g		20 g		3, 20 g		10, 50 g		10, 50 g	
<ul style="list-style-type: none"> - medium viscous - odorless - low blooming - high adhesion - extremely fast - without hazard & safety phrases 		HEAT is a high-temperature adhesive that can be used in all areas in which high temperatures are required. In this temperature range (up to 150°C), permanently achieving a firm bond is a novelty.		Special instant adhesive in thixotropic form. Does not run, can also be worked on vertical surfaces. Bonding of metal, wood and plastic.		Best adhesion properties on many different materials: metal, many plastics, such as PVC, ABS, PC, PBT, rubber, porous/absorbent materials such as wood, paper, cardboard, leather and textiles. A primer should be used for PE / PP. Can also be used for quick repairs.		MD CA-STAR 2K met - especially for the metal processing. Best adhesion properties on many different materials: metals, many plastics, steel, aluminium, stainless steel, rubber and porous/absorbent materials. Elastic connection.	

ADHESIVE | THE NEW - PREMIUM GLUE

The new MD PREMIUM GLUE is the result of our continual advancements in the field of cyanoacrylate adhesives. With our three new types of MD PREMIUM GLUE, we have expanded the wide range of rapid adhesives and thus the diverse areas of application.



MD GLUE DUPLEX

DUPLEX is characterised by the two different ways of curing – through UV light or humidity. Thus, even non-transparent materials can be transparently bonded free of errors. Excess adhesive can be hardened in 1–2 s. It can also be used as a casting mass.

Medium viscosity (ca. 90 - 230 mPa.s) | Curing time handling : ca. 10 - 130 seconds

item number/unit

MGL.PD.R5-BK rocket 5 g/blister card unit 8 | MGL.PD.R5 rocket 5 g unit 6 | MGL.PD.T20 tube 20 g unit 12 | MGL.PD.T5 tube 5 g unit 10 | MGL.PD.F20 bottle 20 g unit 12 | MGL.PD.F20-SET set with beamer, UV lamp, battery, charger, bottle 20 g unit 1



MD GLUE HEAT

HEAT is a high-temperature adhesive that can be used in all areas in which high temperatures are required. In this temperature range (up to +150°C), permanently achieving a firm bond is a novelty.

Medium viscosity (ca. 280 - 320 mPa.s) | Curing time handling : ca. 15 - 45 seconds

item number/unit

MGL.PH.F20 bottle 20 g unit 12



MD GLUE MOISTURE RESISTANT

Among other things, MOISTURE RESISTANT is moisture-resistant. Compared with a standard CA adhesive, it features excellent media resistance.

Low viscosity (ca. 40 - 50 mPa.s) | Curing time handling : ca. 20 - 80 seconds

item number/unit

MGL.PM.F20 bottle 20 g unit 12



ADHESIVE | THE SPECIALISTS - XTREME

The new generation of cyanoacrylate!

Newly developed production method for bonding a wide variety of material compounds (metal, rubber, wood, cardboard, ceramics and most plastics) and among each other. Despite residual flexibility MD GLUE XTREME achieves very high strengths in most materials.

- No blooming
- Odorless
- Non hazardous
- Remains flexible
- High temperature resistance
- No interference with electronic components
- High adhesion
- Top dielectric strength
- Good moisture resistance

All XTREME adhesives are ISEGA certified, without hazard and safety phrases and NSF registered.



MD GLUE XTREME 1

Low viscosity (ca. 40 - 60 mPa.s)
Colour: transparent, colorless
Temperature resistance from -50 to + 80°C
Curing time handling approx. 5 - 90 seconds
NSF Listed P1 (Reg. No. 151975)

item number/unit
MGLX1.ST12 unit 18 | MGLX1.F25 unit 12



MD GLUE XTREME 2

Medium viscosity (ca. 120 - 250 mPa.s)
Colour: transparent, colorless
Temperature resistance from -50 to + 80°C
Curing time handling approx. 10 - 120 seconds
NSF Listed P1 (Reg. No. 1151976)

item number/unit
MGLX2.ST12 unit 18 | MGLX2.F25 unit 12 | MGLX2.ST12-BK unit 10



MD GLUE XTREME 3

High viscosity (ca. 1200 - 1500 mPa.s)
Colour: transparent, colorless
Temperature resistance von -50 to +80°C
Curing time handling approx. 10 - 120 seconds
NSF Listed P1 (Reg. No. 151977)

item number/unit
MGLX3.ST12 unit 18 | MGLX3.F25 unit 12

For our new line of CA adhesive, we offer innovative metering options. Bottle with base 25 g or 12 g of the practical metering.

- Avoids dripping
- Needle valve
- No clogging of the nozzle
- Easy application of the adhesive
- Precise dosing



ADHESIVE | MD GLUE EQUIPMENT



MD HARDENING ACCELERANT

Marston-Domsel's hardening accelerant ensures even faster hardening of MD GLUE instant adhesive. Mainly use for instant adhesives with higher viscosities.

Application:

Removes contamination and oil/grease from surfaces to be bonded using a product such as Marston Cleaner. Apply the activator for CA by spraying it on to one surface to be bonded. Apply adhesive to the other side and press the parts together immediately.

item number/unit

MAC.Y15 glass bottle with spray head 15 ml unit 25

MD FILLER

Special granulate. It permits the enlargement and stabilisation of small bonding surfaces. MD FILLER fills holes and tears, evens out surface irregularities, strengthens very small parts, becomes hard as stone and can be ground and painted over. The best and fastest reaction can be achieved with MD GLUE BS.

item number/unit

MGL.F.20 bottle 20 g unit 25



MD ACTIVATOR NO. 9 for CA-Adhesive

Cleans and degreases parts and accelerates the hardening of CA adhesives. Bonds within 1 - 4 seconds depending on the CA adhesive as well as the gap between the parts and the room temperature.

item number/unit

MAC.A9.Y150 spray can 150 ml unit 12



NEU Softbottle -
ab sofort erhalten Sie unsere MD GLUE Produkte 20 g und 50 g in der neuen Softbottle. Die Softbottle ermöglicht müheloses und präzises Auftragen der Klebstoffe.



ADHESIVE | THE STANDARDS - MD GLUE

CA adhesives by MARSTON-DOMSEL are especially suitable for all kinds of bonding and compounds of metals with rubber, plastics and wood. They are particularly well suited for porous materials. They can bond wood, ceramics, leather, cork and plastics depending on the specification.

There is no adhesive, which can bond everything. Specific adhesives are necessary for various materials, which are matched with them as regards their structural composition and in their viscosity. MD GLUE instant adhesive by MARSTON-DOMSEL is supplied in practical bottles with droppers and is available in various versions for all kinds of materials.

- Economical in use
- High impact resistance
- High temperature stability
- Silicone-free
- Precise application possible
- Extremely high tensile strength
- Hand-tight in a few seconds
- Many products with NSF releases

Areas of application:

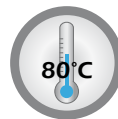
The electrical and electronics industries, engineering, metalworking, automotive construction, model construction, furniture industry, plastics processing, dentistry, fingernail bonding, rubber industry, lighting industry etc.

Use:

The parts to be glued have to be clean and free from oil and grease. Apply the instant adhesive thinly on one side and press the parts together. It will become dry to the touch within a few seconds depending on the type and final hardening will occur after 24 hours. Our activator no. 9 can be used to accelerate the hardening process. For materials such as PP, PE, Teflon® or silicone the parts must be pre-treated with primer no. 7.



MD GLUE BLITZSCHNELL



■ medium viscosity (ca. 300 - 375 mPa.s)

Despite its high viscosity, the adhesive is super fast and therefore also suitable for elastomers etc.

universal application

curing time handling:

1 - 10 sec.

temperatur resistance:

-40°C to +80 °C

gap-filling:

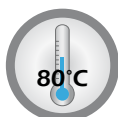
0,15 mm

item number/unit
MGL.BZ.F20

bottle 20 g unit 12



MD GLUE Rapid Secure



■ medium viscosity (ca. 120 - 170 mPa.s)

ultra fast and extremely tight

No blooming

universal application

curing time handling:

5 - 35 seconds

temperatur resistance:

-40 to +80°C

gap-filling:

0,15 mm

item number/unit
MGL.RS.F20

bottle 20 g unit 12

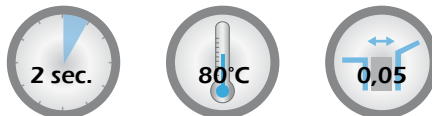
NSF Category Code: S4 No. 164568

ADHESIVE | THE STANDARDS - MD GLUE



item number/unit		
MGL.101.F10	bottle 10 g	unit 25
MGL.101.F20	bottle 20 g	unit 12
MGL.101.F50	bottle 50 g	unit 12
MGL.101.F500	bottle 500 g	unit 1

MD GLUE 101.4062



■ low viscosity (ca. 2-5 mPa.s)

For extremely rapid instant bonding of smooth plastic or rubber surfaces. Subsequent adjustment is no longer possible. Thin fluid with a capillary action.

Application: universally applicable.

curing time handling:	2 - 5 seconds
temperatur resistance:	-50°C to +80°C
gap-filling:	0,05 mm



item number/unit		
MGL.111.PT5	cartridge 5 g	unit 25
MGL.111.TS4	smart tube 4 g	unit 12
MGL.111.TS4-BK	smart tube/blister 4 g	unit 10
MGL.111.F10	bottle 10 g	unit 25
MGL.111.F20	bottle 20 g	unit 12
MGL.111.F50	bottle 50 g	unit 12
MGL.111.F500	bottle 500 g	unit 1

MD GLUE 111.495



■ low viscosity (ca. 35-70 mPa.s)

For high-strength bonding of metals and plastic combinations. Universally applicable.

Application: metal, rubber, plastic, glass, leather

curing time handling:	5 - 15 seconds
temperatur resistance:	-50°C to +80°C
gap-filling:	0,07 mm

NSF Category Code: P1 No. 151977



item number/unit		
MGL.150.PT5	cartridge 5 g	unit 25
MGL.150.F10	bottle 10 g	unit 25
MGL.150.F20	bottle 20 g	unit 12
MGL.150.F20-BK	bottle/blister 20 g	unit 10
MGL.150.F50	bottle 50 g	unit 12
MGL.150.F500	bottle 500 g	unit 1

MD GLUE 150.424



■ medium viscosity (ca. 50-100 mPa.s)

For universal application with a wide variety of materials.

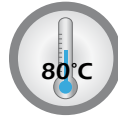
curing time handling:	8 - 20 seconds
temperatur resistance:	-60°C to +80°C
gap-filling:	0,10 mm

NSF Category Code: P1 No. 150265



item number/unit		
MGL.200.F10	bottle 10 g	unit 25
MGL.200.F20	bottle 20 g	unit 12
MGL.200.F50	bottle 50 g	unit 12
MGL.200.F500	bottle 500 g	unit 1

MD GLUE 200.435



■ medium viscosity (ca. 200-350 mPa.s)

For bonding porous surfaces. Especially suitable for wood, rubber, ceramics, cork etc.

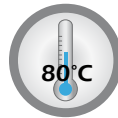
Application: porous surfaces

curing time handling:	10 - 20 seconds
temperatur resistance:	-50°C to +80°C
gap-filling:	0,15 mm



item number/unit		
MGL.300.F10	bottle 10 g	unit 25
MGL.300.F20	bottle 20 g	unit 12
MGL.300.F50	bottle 50 g	unit 12
MGL.300.F500	bottle 500 g	unit 1

MD GLUE 300.431



■ high viscosity (ca. 1200-1500 mPa.s)

For bonding highly porous and uneven surfaces. Especially suitable for wood, leather etc.

Application: porous surfaces

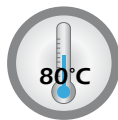
curing time handling:	10 - 30 seconds
temperatur resistance:	-50°C to +80°C
gap-filling:	0,20 mm

NSF Category Code: P1 No. 150268



item number/unit		
MGL.310.F10	bottle 10 g	unit 25
MGL.310.F20	bottle 20 g	unit 12
MGL.310.F50	bottle 50 g	unit 20
MGL.310.F500	bottle 500 g	unit 1

MD GLUE 310.415



■ high viscosity (ca. 1200-1700 mPa.s)

For bonding metals, metal/rubber and metal/plastic combinations. Especially suitable for slightly uneven metal parts.

curing time handling:	10 - 30 seconds
temperatur resistance:	-60°C to +80°C
gap-filling:	0,30 mm

ADHESIVE | THE STANDARDS - MD GLUE



item number/unit		
MGL.405.F20	bottle 20 g	unit 12
MGL.405.F100	bottle 100 g	unit 12
MGL.405.F500	bottle 500 g	unit 1

MD GLUE 405



■ high viscosity (ca. V 2.500-3.000 mPas)

Six times more impact resistance and ten times more peeling resistance than a conventional CA adhesive. Very high tensile shearing strength (240 kg per square centimetres with steel/steel). Temperature resistance up to +135 °C (with this high load the adhesive still possesses tensile shearing strength of 60 kg/cm² with steel), greater waterproofness, hard to the touch in just 45 seconds (an extraordinary figure for a CA adhesive with a viscosity of approx. 3000 mPa.s)

curing time handling:	20 - 50 seconds
temperatur resistance:	-60°C to +135°C
gap-filling:	0,15 mm

NSF Listed P1 (Reg. No. 150267)



item number/unit		
MGL.BS.F10	bottle 10 g	unit 25
MGL.BS.F20	bottle 20 g	unit 12
MGL.BS.F50	bottle 50 g	unit 12
MGL.BS.F500	bottle 500 g	unit 1

MD GLUE BS.406



■ low viscosity (ca. 3-10 mPa.s)

For bonding rubber, plastic, steel, metals and EPDM. Bonds quickly.

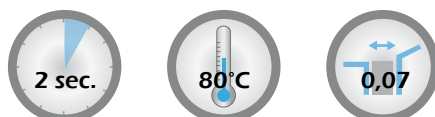
curing time handling:	2 - 10 seconds
temperatur resistance:	-50°C to +80°C
gap-filling:	0,05 mm

NSF Listed P1 (Reg. No. 150266)



item number/unit		
MGL.BS1.F10	bottle 10 g	unit 25
MGL.BS1.F20	bottle 20 g	unit 12
MGL.BS1.F50	bottle 50 g	unit 12
MGL.BS1.F500	bottle 500 g	unit 1

MD GLUE BS100.401



■ medium viscosity (ca. 100 mPa.s)

For bonding rubber (EPDM), plastics, steel and metals. Sticks within 1 - 3 seconds.

curing time handling:	2 - 10 seconds
temperatur resistance:	-60°C to +80°C
gap-filling:	0,07 mm



item number/unit		
MGL.BS-SP.F10	bottle 10 g	unit 25
MGL.BS-SP.F20	bottle 20 g	unit 12
MGL.BS-SP.F50	bottle 50 g	unit 12
MGL.BS-SP.F500	bottle 500 g	unit 1

MD GLUE BS-SP



■ low viscosity (ca. 15-25 mPa.s)

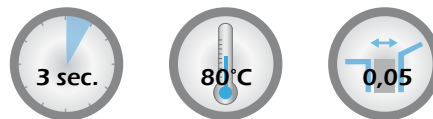
For bonding rubber, plastic, steel and other metals.

curing time handling:	2 - 10 seconds
temperatur resistance:	-50°C to +80°C
gap-filling:	0,05 mm



item number/unit		
MGL.EL.F10	bottle 10 g	unit 25
MGL.EL.F20	bottle 20 g	unit 12
MGL.EL.F50	bottle 50 g	unit 12
MGL.EL.F500	bottle 500 g	unit 1

MD GLUE EL.4850



■ medium viscosity (ca. 90-120 mPa.s)

Stay flexible! Bendable to 180°, for rubber and rubber-plastic combinations. Particularly suitable for O-rings and rubber components which are subjected to continual movements.

curing time handling:	3 - 10 seconds
temperatur resistance:	-60°C to +80°C
gap-filling:	0,05 mm



item number/unit		
MGL.M.F10	bottle 10 g	unit 25
MGL.M.F20	bottle 20 g	unit 12
MGL.M.F50	bottle 50 g	unit 12
MGL.M.F500	bottle 500 g	unit 1

MD GLUE M.493



■ low viscosity (ca. 10-30 mPa.s)

Methyl-Base. For rapid bonding of smooth materials, metal/rubber and metal combinations.

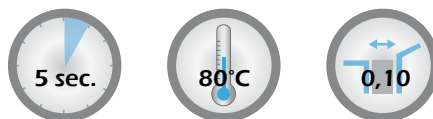
curing time handling:	20 - 70 seconds
temperatur resistance:	-50°C to +80°C
gap-filling:	0,05 mm

ADHESIVE | THE STANDARDS - MD GLUE



item number/unit		
MGL.M1.F10	bottle 10 g	unit 25
MGL.M1.F20	bottle 20 g	unit 12
MGL.M1.F50	bottle 50 g	unit 12
MGL.M1.F500	bottle 500 g	unit 1

MD GLUE M100.496



■ medium viscosity (ca. 90-120 mPa.s)

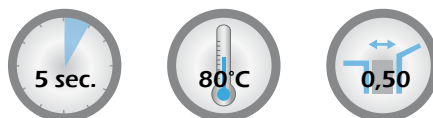
Methyl-Base. For bonding metal and plastic combinations.

curing time handling:	5 - 15 seconds
temperatur resistance:	-60°C to +80°C
gap-filling:	0,10 mm



item number/unit		
MGL.G.T3	tube 3 g	unit 10
MGL.G.T3-BK	tube 3 g/blister	unit 12
MGL.G.T20	tube 20 g	unit 12

MD GLUE G.454



■ thixotropic (ca. 50.000 mPa.s)

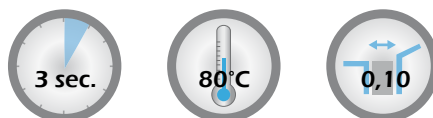
Special instant adhesive in thixotropic form. Does not run, can also be worked on vertical surfaces. Bonding of metal, wood and plastic.

curing time handling:	5 - 60 seconds
temperatur resistance:	-60°C to +80°C
gap-filling:	0,50 mm



item number/unit		
MGL.SQ.F10	bottle 10 g	unit 25
MGL.SQ.F20	bottle 20 g	unit 12
MGL.SQ.F50	bottle 50 g	unit 12
MGL.SQ.F500	bottle 500 g	unit 1

MD GLUE SQ.414



■ medium viscosity (ca. 90-120 mPa.s)

For fast bonding of plastic and rubber.

curing time handling:	3 - 30 seconds
temperatur resistance:	-55°C to +80°C
gap-filling:	0,10 mm



item number/unit
 MGL.SW4.F20 bottle 20 g unit 12
 MGL.SW4.F50 bottle 50 g unit 12
 MGL.SW4.F500 bottle 500 g unit 1

MD GLUE SW4.480



■ medium viscosity (ca. 500-1.000 mPa.s)

Black impact-resistant instant adhesive. For bonding rubber and metals.

curing time handling: 5 - 40 seconds
 temperatur resistance: -50°C to +120°C
 gap-filling: 0,10 mm



item number/unit
 MGL.SW15.F20 bottle 20 g unit 12
 MGL.SW15.F50 bottle 50 g unit 12
 MGL.SW15.F500 bottle 500 g unit 1

MD GLUE SW15



■ high viscosity (ca. 1500 mPa.s)

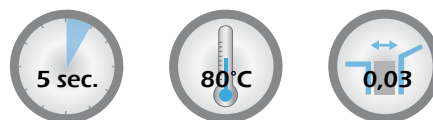
Black impact-resistant instant adhesive. For bonding rubber and metals. High temperature resistance up to 120°C. Withstands vibration.

curing time handling: 10 - 30 seconds
 temperatur resistance: -60°C to +120°C
 gap-filling: 0,15 mm



item number/unit
 MGL.GA.F20 bottle 20 g unit 12
 MGL.GA.F50 bottle 50 g unit 12

MD GLUE GA.460



■ low viscosity (ca. 30 - 50 mPa.s)

Odourless CA adhesive. Suitable for polystyrene, acrylic glass and transparent materials. Does not effloresce.

curing time handling: 5 - 20 seconds
 temperatur resistance: -60°C to +80°C
 gap-filling: 0,03 mm

ADHESIVE | MD GLUE SELECTION

		material							
		■ good suitable				■ preferably suitable			
Type	Base	acrylic / PMMA	metal	rubber	EPDM	wood	glass/ ceramics	leather	polystyrene
101	Ethyl Cyanacrylate			■	■				
111	Ethyl Cyanacrylate		■	■	■	■	■		
150	Ethyl Cyanacrylate		■	■			■		
200	Ethyl Cyanacrylate			■		■		■	
300	Ethyl Cyanacrylate			■		■	■	■	
310	Methyl Cyanacrylate								
405	Ethyl Cyanacrylate		■	■		■	■	■	
BS	Ethyl Cyanacrylate		■	■	■		■		
BS I	Ethyl Cyanacrylate		■	■	■			■	
BS-SP	Ethyl Cyanacrylate				■				
BZ	Ethyl Cyanacrylate		■	■	■	■		■	
EL	Ethyl Cyanacrylate			■				■	
GA	Alkoxy-Ethyl Cyanacrylate								
M	Methyl Cyanacrylate		■						
M1	Methyl Cyanacrylate		■	■					
Gel	Ethyl Cyanacrylate		■	■		■	■	■	
Rapid Secure	Ethyl Cyanacrylate	■	■	■		■	■	■	
SQ	Ethyl Cyanacrylate			■			■		
SW4	Ethyl Cyanacrylate		■	■	■				
SW15	Ethyl Cyanacrylate		■	■	■	■			
Xtreme 1	Methoxyethyl Cyanacrylate	■		■					■
Xtreme 2	Methoxyethyl Cyanacrylate	■	■	■			■		■
Xtreme 3	Methoxyethyl Cyanacrylate	■				■	■	■	■
Premium Duplex	Alkoxy ethyl cyanoacrylate with photoinitiator	■		■	■	■		■	■
Premium Moisture resistant	Ethyl Cyanacrylate		■	■	■	■	■	■	
Premium Heat	Methoxyethyl Cyanacrylate		■	■					

ADHESIVE | MD UV STAR / MUV UV repair adhesive

■ Bonding ■ Fixing ■ Densities ■ Repair ■ Backup ■ Fill ■ Seal ■ Modeling ■ Isolate



MD UV-STAR special adhesive combines high strength with absolute reliability and virtual invisibility for glass / plastic / metal / wood / stone. It is suitable for bonding glass jewellery, lead crystal glass and laminated safety glass (e.g. automotive glazing and rear view mirrors). Not suitable for aquariums. The adhesive hardens by UV light using the enclosed UV projector or by itself in direct sunlight.

Bonding at the push of a button!

You choose at the push of a button:
 When the adhesive reacts and bonds!
 How quickly the adhesive reacts!
 What the adhesive strength is!
 How hard the adhesive is!
 The elasticity of the bond!



item number/unit
 MUV.SET.F3 bottle, 3 g, Beamer, blister card unit 8

Technical data

Initial hardening	< 3 sec.
Hardening	< 30 sec.
Temperature resistance	max. -40°C to 120 °C
Shore hardness	max. 55
Tensile strength	max. 200 kg/cm ²
Strain	max. 100 %
Gap filling	max. 2 mm
Viscosity 20°C	2.500 - 5.000 mPa.s

ideal for

Model building	Metals
Glass	Rubber
Wood	Plastics
Acrylic	Insulation
Porcelain	Automotive glazing
Ceramics	Waterproofing
Jewellery	

MD UV adhesives react via radiation by UV light. MD UV is cured within seconds. We achieve a clear, high-strength bonds like e.g. glass with metal. The technique of UV hardening offers the benefit of being able to freely choose the time of hardening and short hardening times permit a higher production speed. Specific viscosities are available for every type of application.

- Communication electronics
- Consumer electronics
- Automotive electronics
- Plastic and glass processing



article	viscosity mPa.s	temperature resistance
MD UV adhesive 20	1.200 - 2.000 medium viscosity	-40°C +120°C
MD UV adhesive 21	500 -1.000 medium viscosity	-40°C +120°C
MD UV adhesive 22	2.500 - 5.000 high viscosity	-40°C +120°C
MD UV adhesive 23	50 - 100 low viscosity	-40°C +120°C

item number/unit
 MUV.20.F50 bottle 50 g unit 10 | MUV.20.F250 bottle 250 g unit 6
 MUV.21.F50 bottle 50 g unit 10 | MUV.21.F250 bottle 250 g unit 6
 MUV.22.F50 bottle 50 g unit 10 | MUV.22.F250 bottle 250 g unit 6
 MUV.23.F50 bottle 50 g unit 10 | MUV.23.F250 bottle 250 g unit 6

MD SCREW RETENTION

Are the parts already assembled?

yes

subsequent securing

sensitive areas

sensitive areas

Solution ► ►

MSS 520.290

MSS 5850K.2400

MSS 6410K.2700



Max. thread	M6	M36	M20
Gap-filling	0,07 mm	0,30 mm	0,15 mm
Breakaway	15 -25 Nm	10 -15 Nm	20 - 30 Nm
Curing time handling	10 - 20 min.	30 min.	20 - 40 min.
Curing time functional	1 - 3 hours	6 - 12 hours	6 - 12 hours
Temperature resistance	-55°C to + 150°C	-55°C to + 150°C	-55°C to + 150°C
Viscosity	70-90 mPa.s	1.700-9.000 mPa.s	500 mPa.s

For subsequent securing of screws.
Capillary action.
Fine thread

without hazard and safety phrases

without hazard and safety phrases



no

What strength is required?

low

medium

high

extreme

MSS 550.222

MSS 585.243

MSS 641.270/1

MSS 642.272



M24

M36

M20

M36

0,20 mm

0,25 mm

0,15 mm

0,30 mm

4 - 8 Nm

17 - 22 Nm

15 - 20 Nm

20 - 35 Nm

15 - 30 min.

10 - 20 min.

15 - 30 min.

20 - 40 min.

1 - 3 hours

1 - 3 hours

1 - 3 hours

3 - 6 hours

-55°C to + 150°C

-55°C to + 150°C

-55°C to + 150°C

-55°C to + 230°C

900-1.100 mPa.s

2.000-7.500 mPa.s

400-700 mPa.s

8.000-15.000 mPa.s

Can be loosened with normal tools. Suitable for set screws, screws at maintenance openings, and carburettor screws. For use on metals that can break during disassembly.

For all metal threaded connections. Prevents breakage because of vibration (e.g. on gears, motors). Slightly oil tolerant. Connections can be loosened with normal tools.

For all threaded metal connections, including passive materials such as high-alloy steel. For threaded connections subject to high vibration and impact stress (e.g. stud bolts on motors or pumps).

High temperatures.
High viscosity.



PROTECTION | MD SCREW RETENTION

The bolt retention adhesive glues, seals and secures threaded connections, bonded components, bearings and pipe connections easily, cleanly and permanently.

Screw retention replaces conventional fixing methods such as cotters, lock washers and discs. The screw retention secures screws, nuts and stud bolts against loosening due to vibrations and seals at the same time. MARSTON-DOMSEL systems are functionally reliable also under the toughest conditions.

Application instructions:

Treat threaded parts with MARSTON CLEANER before applying screw retention adhesive. Pre-treat the surfaces with MD ACTIVATOR NO. 11 when working at temperatures below 5°C. Remove cutting oil and washing lye residues with hot water. Use MD GLUE BS or similar for plastic parts.

Areas of application:

Motor racing, engine construction, automotive and motorcycle industries, tractor construction, electrical industry, turbines and nuclear power stations, engineering, lighting industry, transmission construction, the foodstuffs industry, gas and waterworks, pump construction, sanitary applications etc.

- Vibration-resistant
- One-component – clean and easy to apply
- Suitable for all thread types and shapes
- Seals inside the thread immediate
- High strengths
- High temperature resistance (up to +230°C)
- Time and cost savings
- Very short hardening times
- High functional reliability
- DVGW approval

Anaerobes in the pump dispenser have many advantages!

Never blocked tubes again ...

Never residue in bottles and tubes again ...

The Marston pump dispenser makes it possible!

- Easy dispensing
- No dripping or subsequent seeping
- Enables precise metered dispensing

We deliver our anaerobic adhesives in displays with 12 pieces each.





item number/unit		
MSS.520.F10	bottle 10 g	unit 12
MSS.520.F50	bottle 50 g	unit 12
MSS.520.F250	bottle 250 g	unit 6
MSS.520.P15	pump dispenser 15 g	unit 12
MSS.520.P50	pump dispenser 50 g	unit 12

Screw retention 520.290

M6

10
minutes

■ high strength - low viscosity - heavy removable

max. thread:	M6
gap-filling:	0,07 mm
breakaway:	15 -25 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MSS.541.F10	bottle 10 g	unit 12
MSS.541.F50	bottle 50 g	unit 12
MSS.541.F250	bottle 250 g	unit 6
MSS.541.P15	pump dispenser 15 g	unit 12
MSS.541.P50	pump dispenser 50 g	unit 12

Screw retention 541.241

M12

10
minutes

■ medium strength - low viscosity - removable

max. thread:	M12
gap-filling:	0,10 mm
breakaway:	10 -15 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MSS.550.F10	bottle 10 g	unit 12
MSS.550.F50	bottle 50 g	unit 12
MSS.550.F250	bottle 250 g	unit 6
MSS.550.P15	pump dispenser 15 g	unit 12
MSS.550.P50	pump dispenser 50 g	unit 12

Screw retention 550.222

M24

15
minutes

■ low strength - low viscosity - removable

max. thread:	M24
gap-filling:	0,20 mm
breakaway:	4 - 8 Nm
curing time handling:	15 - 30 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MSS.581.F10	bottle 10 g	unit 12
MSS.581.F10-BK	bottle 10 g, blister card	unit 10
MSS.581.F50	bottle 50 g	unit 12
MSS.581.F250	bottle 250 g	unit 6
MSS.581.P15	pump dispenser 15 g	unit 12
MSS.581.P50	pump dispenser 50 g	unit 12

Screw retention 581.242

M24

10
minutes

■ medium strength - medium viscosity - removable

max. thread:	M24
gap-filling:	0,20 mm
breakaway:	15 -25 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C

PROTECTION | MD SCREW RETENTION



item number/unit		
MSS.585.F10	bottle 10 g	unit 12
MSS.585.F10-BK	bottle/blister 10 g	unit 10
MSS.585.F50	bottle 50 g	unit 12
MSS.585.F250	bottle 250 g	unit 6
MSS.585.P15	pump dispenser 15 g	unit 12
MSS.585.P15-BK	pump dispenser/blister 15 g	unit 10
MSS.585.P50	pump dispenser 50 g	unit 12

DIN-DVGW-NG-5146AU7052 according to DIN EN 751-1 Class H.
NSF Listed P1 (Reg. No. 154175).

Screw retention 585.243



■ medium strength - high viscosity - removable

max. thread:	M36
gap-filling:	0,25 mm
breakaway:	17 - 22 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MSS.587.T50	tube 50 g	unit 12
MSS.587.T100	tube 100 g	unit 10
MSS.587.T250	tube 250 g	unit 6
MSS.587.P12	pump dispenser 15 g	unit 12
MSS.587.P50	pump dispenser 50 g	unit 12

Screw retention 587.245



■ high strength - high viscosity - heavy removable

max. thread:	M80
gap-filling:	0,30 mm
breakaway:	10 - 15 Nm
curing time handling:	15 - 30 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MSS.641.F10	bottle 10 g	unit 12
MSS.641.F10-BK	bottle/blister 10 g	unit 10
MSS.641.F50	bottle 50 g	unit 12
MSS.641.F250	bottle 250 g	unit 6
MSS.641.P15	pump dispenser 15 g	unit 12
MSS.641.P15-BK	pump dispenser/blister 15 g	unit 10
MSS.641.P50	pump dispenser 50 g	unit 12

NSF Listed P1 (Reg. No. 154682)

Screw retention 641.270/1



■ high strength - medium viscosity - heavy removable

max. thread:	M20
gap-filling:	0,15 mm
breakaway:	15 - 20 Nm
curing time handling:	15 - 30 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C

blister card

MSS.585.F10-BK, MSS.585.P15-BK unit 10
MSS.641.F10-BK, MSS.641.P15-BK unit 10





item number/unit		
MSS.642.F10	bottle 10 g	unit 12
MSS.642.F50	bottle 50 g	unit 12
MSS.642.F250	bottle 250 g	unit 6
MSS.642.P15	pump dispenser 15 g	unit 12
MSS.642.P50	pump dispenser 50 g	unit 12

DIN-DVGW-NG-5146AT7033 according to DIN EN 751-1 Class H.
NSF Listed P1 (Reg. No. 154683)

Screw retention 642.272



■ high strength - high viscosity - heavy removable

max. thread:	M36
gap-filling:	0,30 mm
breakaway:	20 -35 Nm
curing time handling:	20 - 40 minutes
curing time functional:	3 - 6 hours
temperatur resistance:	-55°C to + 230°C



item number/unit		
MSS.681.F10	bottle 10 g	unit 12
MSS.681.F50	bottle 50 g	unit 12
MSS.681.F250	bottle 250 g	unit 6
MSS.681.P15	pump dispenser 15 g	unit 12
MSS.681.P50	pump dispenser 50 g	unit 12

NSF Listed P1 (Reg. No. 154311)

Screw retention 681.262



■ medium strength - high viscosity - removable

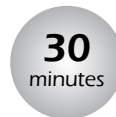
max. thread:	M36
gap-filling:	0,25 mm
breakaway:	20 -25 Nm
curing time handling:	10 - 15 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MSS.5850K.F50	bottle 50 g	unit 12
MSS.5850K.F250	bottle 250 g	unit 6

Wras approval 1701532

Screw retention 5850K.2400



■ medium strength - high viscosity - removable

max. thread:	M36
gap-filling:	0,30 mm
breakaway:	10 -15 Nm
curing time handling:	30 minutes
curing time functional:	6 - 12 hours
temperatur resistance:	-55°C to + 150°C

without hazard and safety phrases



item number/unit		
MSS.6410K.F50	bottle 50 g	unit 12
MSS.6410K.F250	bottle 250 g	unit 6

Screw retention 6410K.2700



■ high strength - medium viscosity - heavy removable

max. thread:	M20
gap-filling:	0,15 mm
breakaway:	20 - 30 Nm
curing time handling:	20 - 40 minutes
curing time functional:	6 - 12 hours
temperatur resistance:	-55°C to + 150°C

without hazard and safety phrases

MD BUSHING & BEARING RETENTION

Has the contact point failed?

Yes

Yes +230°C

Solution ►►

MBL.630.641

MBL.665.620



max. thread

M20

M56

gap-filling

0,12 mm

0,30 mm

breakaway

12 -15 Nm

25 - 30 Nm

curing time handling

10 - 20 min.

20 - 40 min.

curing time functional

1 - 3 hours

3 - 6 hours

temperatur resistance

-55°C to + 150°C

-55°C to + 230°C

viscosity

500-700 mPa.s

8.000-15.000 mPa.s

No (gap up to 0.25 mm)

Do the parts need to be disassembled for maintenance intervals (e.g. bearings)?

No

Temperatures above + 150 ° C

Yes + 175°C

No

Gap dimension

Up to 0.25 mm

Up to 0.1 mm

MBL.650.648

MBL.690.638

MBL.610.603



M20

M36

M12

0,15 mm

0,20 mm

0,10 mm

30 - 35 Nm

30 - 40 Nm

25 -30 Nm

10 - 20 min.

10 min.

10 min.

1 - 3 hours

1 - 3 hours

1 - 3 hours

-55°C to + 175°C

-55°C to + 150°C

-55°C to + 150°C

400-600 mPa.s

1.500-2.500 mPa.s

100-150 mPa.s



PROTECTION | MD BUSHING & BEARING RETENTION

Bearings | Bushings | Shafts | Hubs

- Rapid hardening
- Resistant to many substances
- Very high strength even on slightly oily bonded parts
- Low viscosity with excellent capillary action
- Medium and high viscosity for bearings and bushings

Pretreat the surface with MD ACTIVATOR NO. 11 if working below 5°C. Clean surfaces with MARSTON CLEANER before applying the product. Remove cutting oil and washing lye residues with hot water.



item number/unit		
MBL.610.F10	bottle 10 g	unit 12
MBL.610.F50	bottle 50 g	unit 12
MBL.610.F250	bottle 250 g	unit 6
MBL.610.P15	pump dispenser 15 g	unit 12
MBL.610.P50	pump dispenser 50 g	unit 12

Bushing & bearing retention 610.603

M12

10
minutes

- high strength - low viscosity - heavy removable

max. thread:	M12
gap-filling:	0,10 mm
breakaway:	25 -30 Nm
curing time handling:	10 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MBL.630.F10	bottle 10 g	unit 12
MBL.630.F50	bottle 50 g	unit 12
MBL.630.F250	bottle 250 g	unit 6
MBL.630.P15	pump dispenser 15 g	unit 12
MBL.630.P50	pump dispenser 50 g	unit 12

Bushing & bearing retention 630.641

M20

10
minutes

- medium strength - medium viscosity - removable

max. thread:	M20
gap-filling:	0,12 mm
breakaway:	12 -15 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MBL.650.F10	bottle 10 g	unit 12
MBL.650.F50	bottle 50 g	unit 12
MBL.650.F250	bottle 250 g	unit 6
MBL.650.P15	pump dispenser 15 g	unit 12
MBL.650.P50	pump dispenser 50 g	unit 12

Bushing & bearing retention 650.648

M20

12
minutes

- high strength - medium viscosity - heavy removable

max. thread:	M20
gap-filling:	0,15 mm
breakaway:	30 - 35 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 175°C



item number/unit		
MBL.665.F10	bottle 10 g	unit 12
MBL.665.F50	bottle 50 g	unit 12
MBL.665.F250	bottle 250 g	unit 6
MBL.665.P15	pump dispenser 15 g	unit 12
MBL.665.P50	pump dispenser 50 g	unit 12

Bushing & bearing retention 665.620

M56



20
minutes

■ high strength - high viscosity - heavy removable

max. thread:	M56
gap-filling:	0,30 mm
breakaway:	25 - 30 Nm
curing time handling:	20 - 40 minutes
curing time functional:	3 - 6 hours
temperatur resistance:	-55°C to + 230°C



item number/unit		
MBL.690.F10	bottle 10 g	unit 12
MBL.690.F50	bottle 50 g	unit 12
MBL.690.F250	bottle 250 g	unit 6
MBL.690.P15	pump dispenser 15 g	unit 12
MBL.690.P50	pump dispenser 50 g	unit 12

Listed P1 (Reg. No. 154312)

Bushing & bearing retention 690.638

M36



10
minutes



■ high strength - high viscosity - heavy removable

max. thread:	M36
gap-filling:	0,20 mm
breakaway:	30 - 40 Nm
curing time handling:	10 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



PROTECTION | MD PIPE THREAD SEALANT

MARSTON-DOMSEL pipe thread seals with and without PTFE secure and seal threads against gas, water, hydrocarbons, oil, liquid gas and many chemicals.

- Replaces hemp, Teflon® and also solid seals
- Parts can be aligned directly after assembly
- High-quality seal
- Additional protection against corrosion
- Temperature resistant from +150°C to +200°C
- DVGW approval

Areas of application:

The shipbuilding industry, pump construction, sanitary applications, tractor construction, motor and electrical industries, turbines and nuclear power stations, engineering and gear manufacture, foodstuffs industry, mining, gas, water and electricity works etc.

Instruction for use:

With 670, 675 and 678, pretreat the surface with MD ACTIVATOR NO. 11 when working below +5°C. All parts have to be clean, dry and dust-free - clean them beforehand with MARSTON CLEANER.



item number/unit		
MRG.666.F10	bottle 10 g	unit 12
MRG.666.F50	bottle 50 g	unit 12
MRG.666.F250	bottle 250 g	unit 6
MRG.666.P15	pump dispenser 15 g	unit 12
MRG.666.P50	pump dispenser 50 g	unit 12

Pipe thread sealant 666.620

M56

20
minutes

■ high strength - high viscosity - heavy removable

max. thread:	M56
gap-filling:	0,25 mm
breakaway:	28 - 36 Nm
curing time handling:	20 - 40 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 200°C



item number/unit		
MRG.670.F10	bottle 10 g	unit 12
MRG.670.F50	bottle 50 g	unit 12
MRG.670.F250	bottle 250 g	unit 6
MRG.670.P15	pump dispenser 15 g	unit 12
MRG.670.P50	pump dispenser 50 g	unit 12

Pipe thread sealant 670.542

M20

10
minutes

■ medium strength - low viscosity - removable

max. thread:	M20
gap-filling:	0,15 mm
breakaway:	12 - 16 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit
 MRG.675.T50 tube 50 g unit 12
 MRG.675.T250 tube 250 g unit 6
 MRG.675.P15 pump dispenser 15 g unit 12
 MRG.675.P50 pump dispenser 50 g unit 12

DIN-DVGW-NG-5146BU0369 according to DIN EN 751-1 Class H.
 NSF Listed P1 (Reg. No. 154174)

Pipe thread sealant 675.577



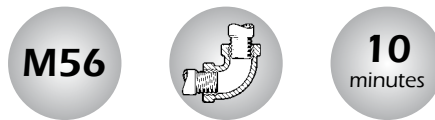
■ medium strength - high viscosity - removable

max. thread: M80
 gap-filling: 0,50 mm
 breakaway: 18 - 22 Nm
 curing time handling: 15 - 30 minutes
 curing time functional: 1 - 3 hours
 temperatur resistance: -55°C to + 150°C



item number/unit
 MRG.676.T100 tube 100 g unit 12
 MRG.676.T250 tube 250 g unit 6
 MRG.676.P50 pump dispenser 50 g unit 12

Pipe thread sealant special 676.576



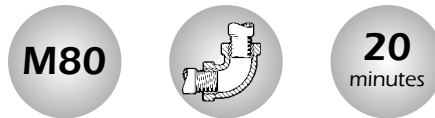
■ medium strength - high viscosity - removable

max. thread: M56
 gap-filling: 0,25 mm
 breakaway: 8 - 12 Nm
 curing time handling: 10 - 15 minutes
 curing time functional: 1 - 4 hours
 temperatur resistance: -55°C to + 180°C



item number/unit
 MRG.678.T50 tube 50 g unit 12
 MRG.678.T100 tube 100 g unit 12
 MRG.678.T250 tube 250 g unit 6
 MRG.678.P15 pump dispenser 15 g unit 12
 MRG.678.P50 pump dispenser 50 g unit 12

Pipe thread sealant 678.511



□ low strength - high viscosity - easy removable

max. thread: M80
 gap-filling: 0,30 mm
 breakaway: 7 - 10 Nm
 curing time handling: 20 - 40 minutes
 curing time functional: 1 - 3 hours
 temperatur resistance: -55°C to + 150°C



item number/unit
 MRG.6750K.T50 tube 50 g unit 12

WRAS APPROVAL NUMBER: 1701545

Pipe thread sealant 6750K.5770



■ medium strength - high viscosity - removable

max. thread: M80
 gap-filling: 0,50 mm
 breakaway: 18 - 22 Nm
 curing time handling: 15 - 30 minutes
 curing time functional: 1 - 3 hours
 temperatur resistance: -55°C to + 150°C

without hazard and safety phrases

MD SURFACE SEALANT

Does the existing seal have a spacer function?

Yes

Positioning of solid seal
Aluminium/metal/plastic

Sensitive areas

Solution ▶▶

Marston Universal sealant



Marston
Universal sealant free



Seal type	also in connection with solid seal		Universal sealant
Flange type	Torsionally stiff or flexible		Torsionally stiff or flexible
Temperature resistance	-55°C to +270°C short term up to +300°C		-55°C to +200°C
Immediate sealing effect	10 min		excellent
Oil resistance	good		good
Water/glycol resistance	excellent		excellent
Container size	20, 85, 250, 200, 330, 850 g		85 g, 200 g, 300 g
Description	Sealant for fixing during assembly. For use on all rubber, cork, paper, or metal seals.	Permanently plastic universal seal – does not harden. For different material combinations. Easy disassembly.	Contains no solvents Contains no isocyanates Contains no hazardous substances Permanently plastic No flash-off time required

No

Which sealing gap must be taken into account?

Up to 0.5 mm

Larger than 0.5 mm

Do you require high pressure resistance?

metal

Plastic or a combination
Plastic/metal parts

Surface sealant
4000.574



Surface sealant
3000.518

Surface sealant
5000.510

MD SIL
Silicone red



Anaerobic

Anaerobic

Anaerobic

RTV

Torsionally stiff

Torsionally stiff

Torsionally stiff

Flexible

-55°C to +150°C

-55°C to +150°C

-55°C to 200°C

-60°C to +300°C

excellent

excellent

excellent

conditional

excellent

excellent

excellent

good

excellent

excellent

excellent

good

50, 100, 250 g

50 g

50 g

85 g, 200 ml, 300 ml

Surface seal suitable for torsion-resistant metal flanges such as cast iron housings and pumps.

Surface seal suitable for torsion-resistant metal flanges such as cast iron housings and pumps.

For sealing stiff flanges in pumps, couplings, gearboxes, and engine blocks. Is thixotropic and can be applied to vertical surfaces without dripping or running.

Recommended for all types of surfaces, including sheet metal. Excellent media resistance.

PROTECTION | MD SURFACE SEALANT

Solvent-free construction component

Surface sealant is suitable for the hardest operating conditions such as in transmission and engine housings, flange connections, bearing covers and different housing covers. The surface sealant is a high-quality single-component sealant, which hardens and becomes hermetically sealed on contact with metal.

- The surface sealant hardens completely and thus has very high pressure resistance (up to 300 bar - depending on the material and size)
- The surface sealant replaces conventional solid seals and can be applied universally
- The surface sealant is supplied with different viscosities and fills gaps up to 0.5 mm
- Ideal for parts with complex shapes

Resistant to water, mineral oils, synthetic lubricants, fuels, organic solvents and refrigerants.

Areas of application:

The automotive industry, chemical and petrochemical industries, gas, water and electricity works, offshore oil platforms etc.

Instructions for use:

Clean the parts to be bonded with MARSTON CLEANER. Apply sufficient sealant and assemble. Immediate assembly is not necessary since the material only reacts when the parts are brought together. Anaerobic liquid plastics do not react with metal-plastic combinations; in such cases it is necessary to work with an activator. Different types with different hardnesses and viscosities permit precise matching to your application case and are decisive for the success of the seal. Fixture time is reached after approx. 5 to 10 minutes. Final hardness is achieved after 12 hours. Hardening can be significantly accelerated by the use of ACTIVATOR NO. 11.



item number/unit		
MFD.2.T50	tube 50 g	unit 12
MFD.2.T100	tube 100 g	unit 10
MFD.2.T250	tube 250 g	unit 6
MFD.2.Z50	concertina bottle 50 g	unit 12
MFD.2.P15	pump dispenser 15 g	unit 12
MFD.2.P15-BK	pump dispenser/blister 15 g	unit 10
MFD.2.P50	pump dispenser 50 g	unit 12

Surface sealant 2000.573

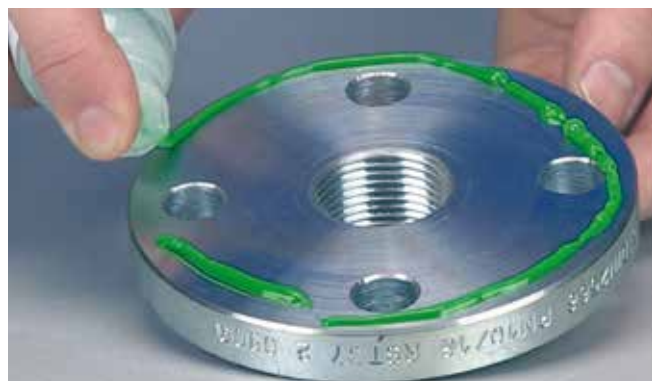
20
minutes



1
strength

- medium strength - high viscosity

gap-filling:	0,30 mm
strain:	2 - 4 Nm
curing time handling:	20 - 40 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C





item number/unit		
MFD.3.T50	tube 50 g	unit 12
MFD.3.T100	tube 100 g	unit 10
MFD.3.T250	tube 250 g	unit 6
MFD.3.Z50	concertina bottle 50 g	unit 12
MFD.3.P15	pump dispenser 15 g	unit 12
MFD.3.P50	pump dispenser 50 g	unit 12

Surface sealant 3000.518

10
minutes



2
strength

■ medium strength - high viscosity

gap-filling:	0,50 mm
strain:	7 - 10 Nm
curing time handling:	10 - 20 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MFD.4.T50	tube 50 g	unit 12
MFD.4.T100	tube 100 g	unit 10
MFD.4.T250	tube 250 g	unit 6
MFD.4.Z50	concertina bottle 50 g	unit 12
MFD.4.P15	pump dispenser 15 g	unit 12
MFD.4.P50	pump dispenser 50 g	unit 12

NSF Listed P1 (Reg. No. 154684)

Surface sealant 4000.574

15
minutes



2
strength



■ medium strength - high viscosity

gap-filling:	0,50 mm
strain:	5 - 8 Nm
curing time handling:	15 - 30 minutes
curing time functional:	1 - 3 hours
temperatur resistance:	-55°C to + 150°C



item number/unit		
MFD.5.T50	tube 50 g	unit 12
MFD.5.T100	tube 100 g	unit 10
MFD.5.T250	tube 250 g	unit 6
MFD.5.Z50	concertina bottle 50 g	unit 12
MFD.5.P15	pump dispenser 15 g	unit 12
MFD.5.P50	pump dispenser 50 g	unit 12

Surface sealant 5000.510

15
minutes



2
strength

■ medium strength - high viscosity

gap-filling:	0,50 mm
strain:	6 - 8 Nm
curing time handling:	15 - 30 minutes
curing time functional:	3 - 6 hours
temperatur resistance:	-55°C to + 200°C



tubes 250 g

Type	Release	   	curing time handling min.	curing time functional hours	viscosity +20°C mPa.s	
Screw retention						
MSS 520.290			10 - 20	1 - 3	70 - 90	low viscosity
MSS 541.241			10 - 20	1 - 3	100 - 150	low viscosity
MSS 550.222			15 - 30	1 - 3	900 - 1.100	low viscosity
MSS 581.242			10 - 20	1 - 3	900 - 1.100	medium viscosity
MSS 585.243	DIN-DVGW-NG-5146AU7052	NSF Listed P1 (Reg. No. 154175)	10 - 20	1 - 3	2.000 - 7.500	high viscosity
MSS 587.245			15 - 30	1 - 3	6.000 - 20.000	high viscosity
MSS 641.270/1		NSF Listed P1 (Reg. No. 154682)	15 - 30	1 - 3	400 - 700	medium viscosity
MSS 642.272	DIN-DVGW-NG-5146AT7033	NSF Listed P1 (Reg. No. 154683)	20 - 40	3 - 6	8.000 - 15.000	high viscosity
MSS 681.262		NSF Listed P1 (Reg. No. 154311)	10 - 15	1 - 3	3.000 - 6.000	high viscosity
MSS.5850K.2400	WRAS approval no. 1701532	without risk- and safety phrases	30 - 50	6 - 12	1.700 - 9.000	high viscosity
MSS.6410K.2700		without risk- and safety phrases	20 - 40	6 - 12	500	medium viscosity
Bushing & bearing retention						
MBL 610.603			5 - 10	1 - 3	100 - 150	low viscosity
MBL 630.641			10 - 20	1 - 3	500 - 700	medium viscosity
MBL 650.648			10 - 20	1 - 3	400 - 600	medium viscosity
MBL 665.620			20 - 40	3 - 6	8.000 - 15.000	high viscosity
MBL 690.638		NSF Listed P1 (Reg. No. 154312)	2 - 5	1 - 3	1.500 - 2.500	high viscosity
Pipe thread sealant						
MRG 666.620			20 - 40	1 - 3	3.000 - 5.000	high viscosity
MRG 670.542			10 - 20	1 - 3	500 - 700	medium viscosity
MRG 675.577	DIN-DVGW-NG-5146BU0369	NSF Listed P1 (Reg. No. 154174)	15 - 30	1 - 3	24.000 - 70.000	high viscosity
MRG 676.576			10 - 15	1 - 3	15.000 - 25.000	high viscosity
MRG 678.511			20 - 40	1 - 3	60.000 - 90.000	high viscosity
MRG.6750K.5770	WRAS approval no. 1701545	without risk- and safety phrases	15 - 30	1 - 3	24.000 - 70.000	high viscosity
Surface sealant						
MFD 2000.573			20 - 40	1 - 3	17.000 - 50.000	high viscosity
MFD 3000.518			10 - 20	1 - 3	50.000 - 250.000	high viscosity
MFD 4000.574		NSF Listed P1 (Reg. No. 154684)	15 - 30	1 - 3	30.000 - 100.000	high viscosity
MFD 5000.510			15 - 30	3 - 6	70.000 - 300.000	high viscosity

gap-filling	max. thread	strength class DIN 30661	breakaway Nm	strain Nm	shear strength (DIN 54452) N/mm ²	temperature- resistance °C
0,07	M6	3	15 - 25	30 - 40	8 - 12	-55 - +150
0,10	M12	2	10 - 15	12 - 20	8 - 12	-55 - +150
0,20	M24	1	4 - 8	2 - 4	3 - 5	-55 - +150
0,20	M24	2	14 - 18	5 - 8	8 - 12	-55 - +150
0,25	M36	2	17 - 22	8 - 12	9 - 13	-55 - +150
0,30	M80	2	10 - 15	10 - 18	8 - 12	-55 - +150
0,15	M20	3	28 - 35	50 - 65	15 - 20	-55 - +150
0,30	M36	3	20 - 35	40 - 70	15 - 25	-55 - +230
0,25	M36	2	20 - 25	40 - 55	10 - 15	-55 - +150
0,25	M36	2	13 - 18	8 - 12	7 - 10	-55 - +150
0,15	M20	3	20 - 30		10 - 20	-55 - +150
0,10	M12	3	12 - 15	25 - 30	17 - 22	-55 - +150
0,12	M20	2	12 - 15	16 - 22	8 - 12	-55 - +150
0,15	M20	3	30 - 35	55 - 70	20 - 30	-55 - +175
0,30	M56	3	25 - 30	40 - 70	15 - 25	-55 - +230
0,20	M36	3	30 - 40	50 - 70	25 - 30	-55 - +150
0,25	M56	3	28 - 36	35 - 55	15 - 25	-55 - +200
0,15	M20	2	12 - 16	18 - 24	8 - 12	-55 - +150
0,50	M80	2	18 - 22	10 - 14	6 - 13	-55 - +150
0,25	M56	1	8 - 12	4 - 8	4 - 6	-55 - +180
0,30	M80	1	7 - 10	2 - 4	4 - 6	-55 - +150
0,50	M80	2	18 - 22	10 - 14	6 - 13	-55 - +150
0,30		1		2 - 4	4 - 6	-55 - +150
0,50		2		7 - 10	8 - 13	-55 - +150
0,50		2		5 - 8	5 - 10	-55 - +150
0,50		2		6 - 8	5 - 10	-55 - +200

PROTECTION | MD ACTIVATOR ANAEROBIC NO. 11

Ideal for anaerobic liquid plastics

Marston-Domsel's activator for anaerobic liquid plastics speeds up hardening even at low temperatures. Larger gaps can also be bonded.

- Economical in use
- Easy to handle
- Comes in a practical spray tin

MD ACTIVATOR NO. 11 should be used below +5°C (ambient temperature).

Application:

Apply anaerobic product to one side and activator spray on the other side and assemble the parts. When soiled surfaces it may be necessary to repeat the treatment. For porous surfaces may require a second activation. Allow to evaporate the solvent. Stick no later than seven days after activation.

MD activator No. 11 accelerates the hardening of:

- MD screw retention
- MD bushing- and bearing retention
- MD pipe thread sealant
- MD surface sealant



Physical Properties

Composition	organic
Colour	green
Viscosity (20°C – mPa.s)	1 – 2
Density (20°C – g/ml)	0,8
Flashpoint (ISO 2592)	0°C
Vapor pressure 25°C	50 mbar
Toxicity	TLV 270 ppm
Response to surface/h	24
Shelf life	1 year

item number/unit
MAC.A11.Y150 spray can 150 ml unit 12

MD BLACK PRIMER



MD Black Primer was developed as a black pre-treatment for glass, which has not been ceramically coated to offer UV protection. To be applied before the use of special adhesives for bonding (including PMMA and PC) in the automotive, bus, shipbuilding and rail industries.

Areas of application:

- Pre-treatment of glass substrates without chemical coating
- Repair of damaged coats of varnish on metals

item number/unit
MAC.SP.Y38 tin 38 ml unit 6

FASTENINGS | MD MIX Epoxy resin repair kit

MD MIX repairs incorrectly drilled holes, cracks and broken threads on metal, wood and plastic.



- Fills cracks and holes
- Temperature resistant up to +180°C and up to +300°C for short periods
- For on-the-spot repairs

MD MIX is easy to use. The material is worked like modelling clay. MD MIX has an extremely high Shore hardness D of 80 (concrete 60). MD MIX can be worked mechanically.

Working instructions:

The parts to be repaired have to be clean and free of oil and grease. Roughening increases the strength of the bond. Cut off the required quantity of MD MIX and knead it for approximately 2 minutes until an even color has been produced and the material becomes warm. Then apply MD MIX to the parts and mould it. Mechanical working can be done after approximately 20 minutes. Final hardening occurs after 24 hours. Do not work at outdoor temperatures below +5°C.

Application examples:

Repairing incorrectly drilled boreholes, holes in pipes, cavities and all cracks in metal, wood and plastic. Mechanical working is possible after a short time. Parts can be ground, milled, bored and painted over.

MD MIX METAL For quick repairs of stripped threads, pumps, housings, tanks containers, hard plastic and stone.

item number/unit: MIX.M.56 unit 24, MIX.M.56-BK blister card 56 g unit 10, MIX.M.115 115 g unit 12

MD MIX ALU For quick repairs of transmission housings, boat and professional engine-building.

item number/unit: MIX.A.56 unit 24, MIX.A.115 115 g unit 12

MD MIX WOOD For quick repairs of wood in furniture, gluing hinges, repairing boreholes, retaining screws. Remains slightly flexible.

item number/unit: MIX.H.56 unit 24

MD MIX COPPER For quick repairs of pipes and pipe elbows, hot and cold water pipes, copper guttering sheets, water tanks and flanges.

item number/unit: MIX.K.56 unit 24

MD MIX WATER For quick repairs of sanitary facilities, swimming pools, radiators, glass, ceramics, stone and hard PVC.

item number/unit: MIX.W.56 unit 24



	MD MIX METAL	MD MIX ALU	MD MIX WOOD	MD MIX COPPER	MD MIX WATER
Base	Epoxy resin metal-filled	Epoxy resin aluminium-filled	Epoxy resin mineral-filled	Epoxy resin copper-filled	Epoxy resin ceramically filled
Colour (mixed)	dark gray	aluminium	light beige	copper	beige
Working life (min.) approx.	3 - 4	3 - 4	3 - 4	3 - 4	3 - 4
Curing time handling min. (temperature-dependent)	8 to 10	8 to 10	8 to 10	8 to 10	8 to 10
Final hardening h	24	24	24	24	24
Working temperature in °C	+10 to +30	+10 to +30	+10 to +30	+10 to +30	+10 to +30
Hardening temperature in °C	+6 to +30	+6 to +30	+6 to +30	+6 to +30	+6 to +30
Tensile shear strength (DIN 53283) N/mm ²	4,5	4,5	5,5	7,0	6,0
Mixing ratio	1:1	1:1	1:1	1:1	1:1
Shore hardness D	87	87	80	82	82
Temperature range °C	-50 to +180 (short term +300)	-50 to +180 (short term +300)	-50 to +180 (short term +300)	-50 to +180 (short term +300)	-50 to +180 (short term +300)
Shrinkage %	0,05	0,05	0,05	0,05	0,05
Heat conductivity W/mK	0,60	0,65	0,30	0,70	0,50
Dielectric strength kv/mm	3,0	3,0	3,0	3,0	3,0
Bonding gap filling mm	15	15	15	15	15

FASTENINGS

MD MIRROR ADHESIVE SET



High-strength special adhesive set for directly bonding rear view mirrors to the windscreen. The clear adhesive film guarantees a clean adhesive surface area.

- Easy to handle
- Permanent hold within a very short time
- Car service

The interior metal mirror arm is glued to the windscreen.

Base	urethane methacrylate
Viscosity (Brookfield LVF, Spindel 2, 2.5 rpm, 25°C)	2.200-3.000
Shear strength	1,08
Curing time handling sec.	<45
Final hardening * hours	24
Flash point °C	>100
Max. Gap-filling mm	0,3
Temperature resistance from or short periods	-50 to +130 -50 to +150
* refers to a temperature of 20 °C; lower temperatures slow down hardening	

item number/unit
MSK.K1-BK 2 g cartridge/blister card unit 10

MD POX FLEX

MD POX FLEX is a flexibilised two-component epoxy resin adhesive specially developed for permanent bonding and coating of larger surfaces exposed to impact, vibration or bending, and high temperatures.

Easy to use, stable epoxy with multi-purpose application possibilities, even under difficult conditions. Equalises tensions –material combinations with different expansions are thus possible.

Hardens to a duromer and thus has a good resistance to media.

MPO.F.SET Bucket of adhesive 3.75 kg
 Bucket of hardener 2.25 kg unit 1



FASTENINGS | MD POX

2-component epoxy adhesive



MD POX is a very reactive chemical compound. After mixing, the two-components the adhesive achieves extraordinary strength.

For bonding metals, ceramics, glass, stone and lot of hard plastics. It is suitable for many on-the-spot repairs with high quality and little effort. Easy handling thanks to the automatically regulated two-injection system.

- Achieves extremely high strength
- Universally applicable
- Weatherproof
- Hardening in 5 or 30 minutes
- Also suitable as a casting compound
- Pot life: available in 5 or 30 minutes

MD POX remains stiffly flexible and can therefore guarantee permanent rigidity in case of impacts or vibration.

Working:

The parts have to be clean and free of oil and grease. Roughing the surface increases the strength of the bond. Initial hardening is achieved after 5-10 minutes. Final hardening occurs after 24 hours. Do not work at outdoor temperatures below +5°C.

MD POX 25 g can be used with or without a mixing nozzle.



item number/unit				
MPO.S25	5 min.	double syringe	25 g	unit 10 pcs./display
MPO.S25-BK	5 min.	double syringe/blister	25 g	unit 8
MPO.S50	5 min.	double cartridge	50 g	unit 12 pcs./display
MPO.S400	5 min.	double cartridge	400 g	unit 6
MPO.LS25	30 min.	double syringe	25 g	unit 10 pcs./display
MPO.LS50	30 min.	double cartridge	50 g	unit 10 pcs./display
MPO.LS400	30 min.	double cartridge	400 g	unit 6



MPO.F200 (set bottle hardener 100g / bottle resin 100 g) unit 10 sets

MD POX DO IT YOURSELF SET



Set consisting of COAX cartridge, Piston and 2 mixing nozzles. Can be processed with any commercially available silicone press.

item number/unit				
MPO.S150	5 min.	Coax cartridge	150 g Set	unit 6
MPO.LS150	30 min.	Coax cartridge	150 g Set	unit 6



FASTENINGS | MD MEGABOND 2000 / 2030 / black

2-component high performance adhesive



MD MEGABOND 2000/2030/black

MD MEGABOND two-component high-performance adhesive is the „Formula One racer“ amongst high-performance adhesives. It can be used where conventional adhesives do not achieve the required strengths.

MD MEGABOND permanently bonds metal, wood, ceramics and hard plastic. Bonding various materials is extremely quick and reliable with MD MEGABOND. The bonding surface area can be worked and painted after complete hardening

MEGABOND 2000

ISEGA certificate 40682 U15 certificate of conformity
Fire tests



- Excellent impact, peeling and shear strength
- High resistance to weathering
- Quick-fixing
- Requires short surface preparation
- Temperature resistant up to +120 °C

The applications of MD MEGABOND extends over all types of industry.

Application examples:

Bodywork and exterior areas: bumpers, spoilers, radiators, outside mirrors, bodywork sheets, windscreens and door windows. GRP parts, door panels, rear and front lighting, reinforcement and installation of floor panels, roof components and grille parts, front and rear end caps, mountings for advertising and catches. Plastic wheel covers, bumper brackets.

Working instructions:

Clean the glued surfaces thoroughly with a good grease solvent (e.g. Marston Cleaner). Excellent results can be achieved by mechanically roughening the glued surface. Insert the double cartridge (50 g) in the dispensing pistol and lock it in. Turn the sealing cap, attach the mixing nozzle, and tighten it. Push out the material with the dispensing pistol and dispose of the first 2 g, as this is not yet mixed at 1:1. In warm temperatures the setting time is reduced. Assemble the components and set them. Remove the mixing nozzle and dispose of it. Lock the cap. Store opened cartridges in a cool place and process them as quickly as possible (Can also be carried out without the mixing nozzle). Initial hardness is achieved after 5-10 minutes. Final hardness is achieved after 12 hours. Do not work at outdoor temperatures below +5 °C.

item number/unit

MEGABOND 2000

MMB.S25	25 g	double syringe	unit 10 / display
MMB.S25-BK	25 g	double syringe/blister	unit 8
MMB.S50	50 g	double cartridge	unit 12 / display
MMB.S400	400 g	double cartridge	unit 6

MEGABOND black

MMB.SW.S25	25 g	double syringe	unit 10 / display
MMB.SW.S50	50 g	double cartridge	unit 12 / display

MEGABOND 2030

MMB.L.S25	25 g	double syringe	unit 10 / display
MMB.L.S50	50 g	double cartridge	unit 12 / display
MMB.L.S400	400 g	double cartridge	unit 6

MD MEGABOND 3000 DO IT YOURSELF SET

Set consisting of COAX cartridge, Piston and 2 mixing nozzles.
Can be processed with any commercially available silicone press.

item number/unit

MMB.3.S150	Coax cartridge 150 g Set	unit 6
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FASTENINGS | MD MEGABOND 3000/3030 /CLEARBOND

2-component high performance adhesive



MD MEGABOND 3000/3030

MD MEGABOND 3000/3030 belongs to the newest generation of two-component adhesives. At a mixing ratio of 10:1 it can be used for technical plastics as well as for a lot of treated and untreated metals such as aluminium, stainless steel, brass, copper etc. Retains residual flexibility and has very high impact and peeling strength as well as good temperature resistance up to +150°C.

MD MEGABOND 3000/3030 is stable, fills larger gaps and does not pass off. MD MEGABOND 3000/3030 has an excellent chemical resistance and is stable against weathering and UV. MD MEGABOND 3000/3030 bonds even difficult to bond plastics such as polycarbonate permanently and reliably.



MEGABOND 3000 RST and MPA Dresden fire tests

Chemical resistance: Excellent resistant to e.g.

- Hydrocarbon ■ Acids and bases (3-10ph) ■ Brines

item number/unit

MEGABOND 3000

MMB.3.S50, black	50 g	double cartridge	unit 12 / display
MMB.3.S380, black	380 g	double cartridge	unit 9
MMB.3.S490, black	490 g	double cartridge	unit 6
MMB.3W.S380, white	380 g	double cartridge	unit 9
MMB.3W.S490, white	490 g	double cartridge	unit 6

MEGABOND 3030

MMB.3L.S50	50 g	double cartridge	unit 9
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MEGABOND 4000

Tack-free after 16 hours - odorless - rest flexible

Temperature resistance: -55°C to +120°C

Working life: approx. 8-12 minutes

Hand-tight after: approx. 30 minutes

Final cure: after 24 hours

Processing temperature: +10°C to +30°C

Weather-resistant, good resistance to media

item number/unit

MEGABOND 4000

MMB.4.S25	25 g	double syringe	unit 10 / display
MMB.4.S50	50 g	double cartridge	unit 12 / display
MMB.4.S40	400 g	double cartridge	unit 6

MD CLEARBOND 1:1

2-component high performance adhesive

MD CLEARBOND is a clear, odourless acrylic adhesive with medium viscosity.

The mixing ratio is 1:1.

Clear bonding of glass, plastics and metal can be performed with MD CLEARBOND.

MD CLEARBOND is impact and-vibration resistant. MD CLEARBOND is also suitable as a casting compound.

- Temperature resistance: approx. -40°C to +80°C ■ Working life: approx. 3 minutes
- Fixing time: 5 minutes ■ Final hardening: after 24 hours ■ Gap filling: 0.50 mm

10:1

Suitable for clear bonding of plastics such as acrylic, PETG, or polycarbonates.

Temperature resistance: approx. -40°C to 120°C ■ Pot life: approx. 6 minutes

Fixing time: approx. 12-14 minutes ■ Final curing: after 24 h

item number/unit

MMB.C.S25	25 g	double cartridge	unit 10 / display
MMB.C.S50	50 g	double cartridge	unit 12 / display
MMB.C.10.S50	50 g	double cartridge	unit 12 / display



FASTENINGS | MD MET | MD POLY 10 : 1

MD MET 2-component epoxy resin base



Liquid metal repairs incorrectly drilled boreholes, cracks and broken threads on metal, wood and plastic.

- Fills cracks and holes ■ Universally applicable ■ For on-the-spot repairs

MD MET is easy to apply. MD MET has a high-strength and is temperature-resistant up to 120°C. MD MET has a pot life of approx. 5 - 10 minutes, the curing time handling is approx. 15 minutes.

Application examples: Repairing incorrectly drilled boreholes, flaws and all cracks in metal, wood and plastic. Mechanical working is possible after a short time. Parts can be grounded milled, bored and painted over.

Working instructions: The parts to be repaired have to be clean and free of oil and grease. Roughing the surface increases the strength of the bond. Mechanical working is possible after 30 minutes. Final hardening occurs after 24 hours. Do not work at outdoor temperatures below +5°C. Replace the closure on the cartridge after use.



item number/unit			
MET.S25	38 g	double syringe	unit 10 pcs. /display
MET.S25-BK	38 g	double syringe	unit 8
MET.S50	60 g	double cartridge	unit 12 pcs. /display
MET.S400	400 g	double cartridge	unit 6

item number/unit
MET.D2 Set tin 1000 g unit 3



item number/unit
MPE.S50 50 g double cartridge unit 9

MD POLY 10:1 Construction adhesive polyolefins

MD POLY is a structural, two-component, solvent-free special adhesive. It has excellent adhesion on surfaces, which are difficult to bond such as PP, PE, PTFE or EPDM and demonstrates excellent moisture and chemical resistance.

MD POLY is available in ratios of 1:1 and 10:1. The pot life is 3 min at 25°C; it is hard to the touch after 2 h. MD POLY is especially developed to bond polyolefines and low-energy plastics such as PP and PE. Pre-treating with primer is not necessary.

- Special adhesive for PP, PE, Teflon® and silicone ■ Easy to use ■ Excellent moisture and chemical resistance ■ For bonding, sealing and casting of PP, PE, EPDM and many synthetic substances

The product is in the ratio 10: 1 resin-hardener mixed.

Pot life approx. 5 minutes at +25°C. Curing time handling approx. 2 hours. Temperature resistance -40°C to +80°C. Final hardening approx. 24 hours. Processing temperature of +10°C to + 30°C

New! MD MET & MD POLY DO IT YOURSELF SET

Set consisting of COAX cartridge, Piston and 2 mixing nozzles. Can be processed with any commercially available silicone press.

item number/unit
MET.S150 Coax cartridge 150 g Set unit 6
MPE.S150 Coax cartridge 150 g Set unit 6



MD MPU SPEED

2-component instant adhesive

MD PU SPEED is a two-component instant adhesive. The mixing ratio is regulated automatically.

Bonds many materials in a very short time
 Reaches extremely high strength in a very short time
 Reparatory of plastic parts is possible

MD PU SPEED is non-drip and weather and ageing-resistant. Reworking such as grinding, drilling and threadcutting is possible after just a few minutes.

Areas of application:

MD PU SPEED is used for repairing broken plastic parts (thermoplastics and duroplastics), bumpers, bucket seats and roof racks.

MD PU SPEED available in 2 versions 1 and 5 minutes. Hard to the touch within approx. 1-2 minutes. Processing time approx. 30 seconds. Further processing time approx. 30 minutes. Complete cure 24 h. Temperature resistant -40°C to +140 °C. Good media resistance

MD PU SPEED 5 min

Hard to the touch within approx. 30 minutes
 Processing time approx. 30 minutes

item number/unit

MPU.S25 1 min.	25 g	double syringe	unit 10 pcs. /display
MPU.S50 1 min.	50 g	double cartridge	unit 12 pcs. /display
MPU.S400 1 min.	400 g	double cartridge	unit 6 pcs.
MPU.LS25 5 min.	25 g	double syringe	unit 10 pcs. /display
MPU.LS50 5 min.	50 g	double cartridge	unit 12 pcs. /display



NEW!



MD PU SPEED DO IT YOURSELF SET

Set consisting of COAX cartridge, Piston and 2 mixing nozzles. Can be processed with any commercially available silicone press.

Artikelnummer/unit

MPU.S150 1 min. Coax cartridge 150 g Set	unit 6
MPU.LS150 5 min. Coax cartridge 150 g Set	unit 6



MD PU PROTECT

is a 2-component instant adhesive designed specifically for your safety.

Potlife at +23°C: 90 sec. Curing time handling: appr. 5 min. Processing time: 45 sec.
 Full curing after: 24 hours. Temperature resistance: from -40 to +120, short term to +150°C. Mechanical reworking possible after about 30 minutes.

Good chemical resistance

Applications: Universal, fast 2K adhesive with many uses. Bonding of many different substrates.

item number/unit

MPU.P.S25	25 g	double syringe	unit 10 pcs. /display
MPU.P.S50	50 g	double cartridge	unit 12 pcs. /display

NEW!



MD LIQUID DOWEL Two-component adhesive

Liquid dowel for renovation, refurbishment, repair, filling, and gluing. For high-strength, permanently-elastic, and low-shrinkage connections.

- Recoatable after approx. 60 min. ■ Resistant to weathering and ageing ■ Solvent free
- Resistant to water, oil, fuel, solvents, acids and bases
- Post-processing after approx. 15-30 min.

item number/unit

MPU.FD.S25	25 g double syringe, Box, 3 mixing nozzles, 3 dowels	unit 15
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Overview table 2K products

adhesive gap	product	base / description	color	mixing ratio
to 10 mm	MD MEGABOND 3000	Base: Methacrylate Residually flexible bonding of many materials such stainless steel, aluminium, plastics.	dark gray	10 : 1
	MD MEGABOND 3030 30 Min.	Base: Methacrylate Flexible bonding of stainless steel, aluminium and plastic (e.g. polycarbonate).	dark gray	10 : 1
to 5 mm	MD MEGABOND 2000 5 Min.	Base: Methacrylate Bonding of rigid materials such as steel, metal and plastic (e.g. GFK).	milky	1 : 1
	MD MEGABOND 2000 black	Base: Methacrylate Bonding of rigid materials such as steel, metal and plastic (e.g. GFK).	black	1 : 1
	MD MEGABOND 2030	Base: Methacrylate Bonding of rigid materials such as steel, metal and plastic (e.g. GFK).	milky	1 : 1
	MD CLEARBOND	Base: Methacrylate For glass-clear bonding of glass and plastics (PMMA).	transparent	1 : 1
	MD PU SPEED 1 Min.	Base: PU Bonding of thermoplastics and duroplastics.	black / nature	1 : 1
	MD PU SPEED 5 Min.	Base: PU Bonding of thermoplastics and duroplastics.	black / nature	1 : 1
	MD PU PROTECT	Base: 2-K PUR Bonding of plastic / metal	black	1:1
	MD MET	Base: Epoxy resin For metal bonds for repairing aluminium, metal and cast parts.	gray	1 : 1
to 2 mm	MD POLY	Base: Methacrylate Bonding of PP/PE. Without primer and in one work step.	white	10 : 1
	MD POX 5 Min.	Base: Epoxy resin Universal epoxy adhesive. Also suitable as a casting compound.	clear	1 : 1
	MD POX 30 Min.	Base: Epoxy resin Universal epoxy adhesive. Also suitable as a casting compound.	clear	1 : 1

viscosity/ property	final hardening/h	property after curing	media re- sistance	temperature range ° C	curing time handling/ min.
medium - high stable	24	rest flexible	very good	-50 to +150 short term +180	15
medium - high stable	24	rest flexible	very good	-50 to +150 short term +180	45
medium - high stable	24	rigid	very good	-55 to +120 short term +140	15
medium - high stable	24	rigid	very good	-50 to +120 short term +140	15
medium - high stable	24	rigid	very good	-50 to +120 short term +140	60
medium - flowable	24	rest flexible	good	-50 to +120 short term +140	10
medium - high stable	24	rest flexible	good	-40 to +140 short term +160	1
medium - high stable	24	rest flexible	good	-40 to +140 short term +160	6
medium - high stable	24	rest flexible	good	-40 to +120 short term +150	5
low - flowable	24	rigid	good	-40 to +120 short term +150	15
medium - high stable	24	rigid	very good	-50 to +120 short term +150	20
low - flowable	24	rigid	moderate	-40 to +80 short term +100	10
low - flowable	24	rigid	moderate	-40 to +80 short term +100	40

MD 2-COMPONENT ADHESIVE

Would you like to glue PP or PE?

How large is the adhesive gap?

up to 2 mm

no

Solution ▶

MD POX

MD POLY

MD MET







MD CLEARBOND

MD MMB 2000



Temperature range	approx. +80°C	approx. +80°C	approx. +120°C	approx. +80°C	approx. 120°C
Overpaintable	yes	yes	yes	yes	yes
Maximum gap	2 mm	2 mm	2-3 mm	2 mm	5 mm
Curing system	2K - 1:1	2K - 10:1	2K - 1:1	2K - 1:1	2K - 1:1
Curing time handling	12 - 15 min.	120 min.	10 - 15 min.	5 - 10 min.	15 min.
Consistency	medium viscosity	medium viscosity	high viscosity	low viscosity	high viscosity
Especially suitable for	Universal applicable	Polyolefins	Metal-Repairs	Glass, plastics (PMMA)	GFK, Metal
Colour	yellowish, transparent	white	gray	transparent	yellow/black
Container size	25 g, 50 g, 400 g	50 g	25 g, 50 g, 400 g	25 g, 50 g	25 g, 50 g, 400 g
Description	Universal epoxy adhesive. Also suitable as a casting compound.	Bonding of PP/PE. Without primer and in one work step.	For metal bonds for repairing aluminium, metal and cast parts.	For glass-clear bonding of glass and plastics (PMMA).	Bonding of rigid materials such as steel, metal and plastic (e.g. GFK).



up to 6 mm			up to 10 mm		
Elastic adhesive					
MD PU SPEED	MD MMB 4000	MD CA.STAR	MD CA.STAR flex	MD MMB 3000	MD 2K MS POLYMER
	 NEW!				
approx. 140°C	approx. 120°C	approx. +80°C	approx. +80°C	approx. 150°C	approx. +100°C
yes	yes	yes	yes	yes	yes
5 mm	0,25 mm	6 mm	6 mm	10 mm	25 mm
2K - 1:1	2K - 1:1	2K - 4:1	2K - 4:1	2K - 10:1	2K - 1:1
1 min.	60 min.	20 - 80 sec. Depending on material	45 - 180 sec. Depending on material	10 min.	15 min.
high viscosity	medium viscosity	high viscosity	high viscosity	high viscosity	high viscosity
Thermoplastics	Universal applicable	Universal	Leather, rubber, Soft PVC	Stainless steel, plastic	Elastomers
black	black	milky	transparent	black/white	gray/black
25 g, 50 g, 400 g	25 g, 50 g, 400 g	10 g, 50 g	10 g, 50 g	50 g, 380 g, 400 g	35 g, 65 g, 300 g, 500 g
Bonding of thermoplastics and duroplastics.	Odorless Rest flexible	Universal 2K adhesive. Also for repair.	transparent flexible	Residually flexible bonding of many materials such stainless steel, aluminium, plastics.	Flexible connection even of larger surfaces. General adhesive application.

Selection table for 2K

		MD MEGABOND 2000	MD MEGABOND 2030	MD MEGABOND 3000	
Metal	Aluminium	light blue	light blue	light blue	
	Anodized aluminium	light blue	light blue	light blue	
	Die-cast aluminium	dark blue	dark blue	light blue	
	Brass	dark blue	dark blue	light blue	
	Cast iron	dark blue	dark blue	light blue	
	Carbon steel	dark blue	dark blue	light blue	
	Sheet iron	dark blue	dark blue	light blue	
	Ferrite	dark blue	dark blue	light blue	
	Cold-rolled steel	dark blue	dark blue	light blue	
	Electric coated metals	dark blue	dark blue	light blue	
	Galvanized steel	dark blue	dark blue	purple	
	Copper	dark blue	dark blue	purple	
	KTL coated metals	light blue	light blue	light blue	
	Powder coated metals	light blue	light blue	light blue	
	Tape coated steel	light blue	light blue	light blue	
	Stainless steels 1.4301, 1.4541, and 1.4307	light blue	light blue	light blue	
	Stainless steels 1.4401, 1.4571, and 1.4404	light blue	light blue	light blue	
	Plastic	ABS & ABS blends	light blue	light blue	light blue
		PMMA	light blue	light blue	light blue
PBT & PET		light blue	light blue	light blue	
Polyamide		dark blue	dark blue	light blue	
Vinyl/PVC		light blue	light blue	light blue	
Plastic polycarbonate		light blue	light blue	light blue	
Duroplaste	Polyurethanes	purple	purple	purple	
	Polyester	light blue	light blue	light blue	
	Vinyl esters	light blue	light blue	light blue	
	Epoxy	light blue	light blue	light blue	
	Phenolic resins	light blue	light blue	light blue	
	Gelcoat/topcoat	light blue	light blue	light blue	
	RTM	light blue	light blue	light blue	
	SMC/BMC	light blue	light blue	light blue	
	Pultruded laminates	light blue	light blue	light blue	
RIM	P-DCPD (Telene, Metton)	light blue	dark blue	dark blue	
	Polyurethane	light blue	light blue	light blue	
	Polyamide	light blue	light blue	light blue	
	PMMA/PC/ABS/PS/PVC	light blue	light blue	light blue	
	Polyolefin	grey	grey	grey	
Other	ESG glass	grey	grey	dark blue	
	Ceramics	dark blue	dark blue	dark blue	
	Wood	dark blue	dark blue	purple	
	Plywood	dark blue	dark blue	purple	
	Natural rubber	dark blue	dark blue	dark blue	
	Mineralics	purple	purple	purple	
	Lightweight honeycomb construction materials	purple	purple	purple	
	Concrete	dark blue	dark blue	dark blue	
	Natural stones	dark blue	dark blue	dark blue	
	PP/PE	grey	grey	grey	
	Teflon®	grey	grey	grey	
	Viton	purple	purple	purple	

SPECIAL PRODUCTS | Surface treatment



MD REMOVER

Removes adhesives from hands, upholstery, plastics and many other materials (a material test is recommended before use).

Areas of application:

The electrical and electronics industries, lighting industry, metalworking, automotive construction, model construction, furniture industry etc.

item number/unit
MRM.F20 bottle 20 ml unit 25
MRM.F500 bottle 500 ml unit 1

MD SMOOTHING AGENT ULTIMATIV

Ready-to-use, environmentally friendly smoothing agent for modelling and for removing sealants. MD SMOOTHING AGENT „ULTIMATE“ MD SMOOTHING AGENT „ULTIMATE“ is particularly suitable for modelling and for removing products based on silicone, MS or hybrid polymer and polyurethane. In compliance with the instructions of the technical bulletin, it can also be used on critical materials and natural stone.

MD SMOOTHING AGENT „ULTIMATE“ is used in numerous construction and industrial sectors for the smoothing of sealants based on silicone, MS or hybrid polymer and polyurethane.

Application: Apply MD SMOOTHING AGENT „ULTIMATE“ to the sealant compound that is still fresh. Then shape the sealant with a suitable tool as desired. Remove excess smoothing agent as quickly as possible. Replace smoothing agent if it is dirty, but at the latest at the end of a working day. Dirt dissolved in the smoothing agent can lead to staining on the sealant. Only moisten sealant with smoothing agent, and remove excess smoothing agent immediately. With horizontal joints, the smoothing agent must not accumulate in the dips of the joints (staining). Caution with marble and similar surfaces, which can absorb smoothing agents (staining). Prevent it from flowing over such surfaces and clean them immediately after treating them with smoothing agent.



item number/unit
MGM.F1000 bottle 1000 ml unit 12

MARSTON Cleaner

MARSTON Cleaner cleans sealing surfaces and frees them from oil and grease. MARSTON can be applied immediately.

■ Thorough cleaning ■ Rapid evaporation ■ Frees surfaces of grease and oil at the same time ■ New seals can be applied immediately



item number/unit
MCL.D250 tin 250 ml unit 12
MCL.D1000 tin 1000 ml unit 6
MCL.Y400 spray-tin 400 ml unit 12

MARSTON Cleaner „CLEAN GREEN“

a natural, powerful cleanser for smooth and porous surfaces

MARSTON CLEAN GREEN is a cleaning agent designed for all kinds of maintenance and installation work as well as for pre-treatment of sealing and adhesive surfaces. MARSTON CLEAN GREEN is used in a number of metal processing industries for degreasing purposes and in the final cleansing of contaminants which result from processing.

Application: Test the surface to be cleaned for compatibility before applying the cleanser. The surface to be cleaned must be dry. In continuation, clean the surface by wiping once in a single direction.

MARSTON CLEAN GREEN quickly and thoroughly cleans anodized, painted and powder-coated aluminium surfaces as well as hard-white PVC surfaces and varnished wooden surfaces. It protects the surfaces of specific materials and has a powerful degreasing effect. MARSTON CLEAN GREEN is particularly suitable for the final cleaning process as well as the removal of rubber marks, bitumen and silicone sealant (when recently applied).



item number/unit
MCL.G.D250 tin 250 ml unit 12
MCL.G.D1000 tin 1000 ml unit 6

SPECIAL PRODUCTS

MD PRIMER NO. 7



PP, PE, silicone and Teflon® cannot be bonded together without prior treatment. Bonding materials only with adhesive and without a primer achieves adherence but no firm bonding. The primer permits polyolefins (polyethylene, polypropylene), PTFE, silicones and other difficult to bond materials to be bonded together.

Application:

Apply a thin layer of primer to the surfaces to be bonded and allow to dry for several seconds. Apply the adhesive and press the parts together. Bonds after 1-2 minutes. Final hardness is achieved after 24 hours.

item number/unit

MAC.P7.Y15 glass bottle with spray head 15 ml unit 25

MAC.P7.F15 glass bottle with brush 15 ml unit 25

MD PRIMER NO. 8

PRIMER No.8 is a particularly durable adhesive primer for sealants and adhesives and is well suited for porous substrates such as masonry, stucco, cellular and gas concrete, natural and sand-lime brick, untreated wood, gypsum blocks, and other absorbent materials.

As a moisture and waterproof primer for the permanent protection of substrates against moisture and water load.

Applicable in combination with MD MS Polymer, MK3000, and MD Flex PU.

Easy to apply with brush and/or roller.



- Forms a highly durable, non-porous membrane against moisture and water load.
- Stops the absorption effect of the surface and provides excellent adhesion.
- Quick-drying, transparent, and ready-to-use single-component primer.
- Excellent UV-, water-, weather-, moisture- and ageing resistance

item number/unit

MAC.P8.D250 tin 250 ml unit 6

MAC.P8.D1000 tin 1000 ml unit 6

MD PRIMER NO. 9 metal

MD PRIMER 9 is used for surface treatment to clean, chemically convert, and prepare stainless steel, zinc, brass, copper, and aluminium surfaces for permanent bonding with MD adhesives.

MD PRIMER No. 9 improves the long-term durability of adhesive bindings exposed to humid or corrosive environments such as salt water or salt spray. Without primer No. 9, certain adhesives may lose strength over time.

Application:

Apply a thin film of the metal primer to metal surfaces. Allow to dry completely.

- Easy to apply with sponge or rag
- Fast drying (5 to 10 minutes)
- Red colour for visual inspection

item number/unit

MAC.P9.D250 tin 250 ml unit 12



SPECIAL PRODUCTS



item number/unit
 MPG.D250 tin 250 g unit 5
 MPG.D750 tin 750 g unit 6

MD CONTACT ADHESIVE

Universal, powerful contact adhesive suitable for wood, plastic, veneer and plastic edge, metal, rubber, leather, felt, foams, paper and cardboard. MD contact adhesive with strong initial tack. Liquid, easily applied and fast setting, ideal for smooth surfaces. Elastic adhesive bond, high final strength, water resistant. All-purpose contact adhesive that is easily applied. Power quickly attracting contact adhesive bonds possible. Permanent elastic, compensates for material stresses, therefore ideal for flexible materials. Not suitable for Styrofoam®, soft PVC, PE, PP.

- Temperature resistance up to + 80°C
- Aging and ozone resistant
- UV-and IR-stable
- Resistance against a variety of chemical media
- Elastic and waterproof

MD COPPER PASTE

Properties:

- High application temperature range from -30°C to +1300°C
- Optimum dismantling prerequisites even after long periods of time
- High pressure resistance
- Good electrical conductivity
- Excellent lubricating and separating effect
- Prevents cauterisation and seizing up of steel components
- Excellent heat dissipation
- Sulphur, lead and nickel-free
- Very low friction coefficient
- Extremely adhesive
- Water and corrosion-resistant
- Excellent separation and lubrication effect
- Sealing effect against corrosive gases and liquids

Areas of application:

The automotive and motorcycle industries, tractor construction, engine and electrical industries, turbines and nuclear power stations, engineering and transmission construction, foodstuffs industry, mining, the chemical and petrochemical industries, gas, water and electricity works etc. MD copper paste is ideal for the installation, maintenance and repair of: Guides, springs, brake lining bolts, exhaust bolts, connecting components, spark plugs, battery terminals, aggregates and central heating boilers for installation, maintenance and repair work.



item number/unit
 MCO.D500 tin 500 g unit 6
 MCO.T80-BK tube/blister 80 g unit 10

MD SOLAR-PLAX

MD SOLAR-PLAX is a unique, simple to use repair film, which cures by UV radiation or sunlight. The film is a glassfibre-reinforced polyester with extremely good adhesion and long-term durability. No mixing, no weighing, no sources of error.

Application: Industry: maintenance and repair of roofs, stairs, wash-basins, pipes, cables, cable shafts, switching cabinets etc.

Car/lorry/caravan/transport: bumpers, radiators, exhaust pipes, cables, truck bodies, wind deflectors, all plastic and body work parts.

Leisure/hobbies/sport: jet-skis, canoes, boats, GRP panels, surfboards, model construction, windows, fences, roofs, doors and all wooden, metal, glass, ceramic, concrete and plastic surfaces.



item number/unit
 MRF.75 polybag 150 x 75 mm unit 20
 MRF.220 polybag 150 x 220 mm unit 10

- Simple application – simply cut to the size of the repair surface and glue on – finished
- Extremely durable, glassfibre-reinforced plastic (GRP)
- Vibration-resistant, remains flexible
- Weather, UV and damp-resistant
- Good subsequent working properties (grinding, drilling, painting etc.)
- Resistant to oils and solvents
- Permanently temperature-resistant from -40°C to +200°C
- No shrinkage or expansion during working and hardening
- Adheres to all surfaces except polypropylene (PP)
- Rapid final hardening (over about 5 minutes depending on the UV radiation).

SPECIAL PRODUCTS



NSF Listed (Reg. No. 157283)

MD CERAMIC PASTE - NEW - in the compressed air cartridge

Properties:

MD ceramic paste is based on a highly molecular oil, anorganic binding agents and ceramic additives. The product can be used as a paste within a range of -20°C to approx. +150°C. The solid lubricant it contains can be deployed at over +1500°C. The product contains no metallic pigments and is free of graphite, molybdenum sulphide and sulphur-containing additives, too.

MD ceramic paste as a high-pressure and high-temperature lubricant in engineering for gear wheels, slideways, guide rails and joints mainly with slow sliding movements. Ensures rapid and simple installation and disassembly of things such as threaded parts. It permits the correct torque to be applied by excluding influences, which are based on thread irregularities.

Areas of application:

For lubrication and for preventing etching on machine components, which are subjected to high temperatures such as bolts, slide bushes, guides, spindles, springs, wedges etc. Disassembly is made easier.

For use as a separating agent for hot threaded connections, e.g. hot steam bolts, on turbines, exhaust pipes, gear wheels, valves, chains, slideways and shafts, which exist in areas such as the petrochemical industry, in power stations, milling works etc.

For use as a separating agent in metal casting, pressure casting, forging and extruding if very high temperatures are reached.



item number/unit			
MKE.K200	cartridge 260 g		unit 12
MKE.DL200	compressed air cartridge 200 ml		unit 12
MKE.T80-BK	tube/blister 80 g		unit 10



MD ALUMINIUM PASTE - NEW - in the compressed air cartridge

MD aluminium paste is a universally applicable paste with excellent properties. It has very good lubricating effects. Because of its high temperature resistance, it is used as assembly lubrication for machine parts exposed to high temperatures. Thanks to its water-displacing properties, MD aluminium paste provides excellent protection against corrosion. Screw connections in particular are ideally protected, even after long-term thermal and atmospheric exposure. MD aluminium paste is characterised by its excellent release effect and adhesion. The product adheres particularly well to metals.

No additional metals (e.g. copper or nickel) were used in the formulation of this product.

item number/unit			
MAP.DL200	compressed air cartridge	200 ml	unit 12

MD LONG-LIFE GREASE

MD LONG-LIFE GREASE is a novel anti-friction and sliding bearing grease, made from high-quality base oils using lithium soaps as thickeners. It is characterized by exceptionally good oxidation resistance.

MD LONG-LIFE GREASE is water resistant, adhesive, pressure resistant and corrosion resistant. These characteristics, combined with high flexural stability, very good wear values and strong adhesion, characterize this lubricating grease as particularly suitable lubrication for difficult operating conditions in high stress anti-friction and sliding bearings even at low temperatures.

Application temperature -30 to +120°C short-term up to +140°C

item number/unit			
MLF.T80-BK	tube/blister 80 g		unit 10





MD ACRYL-TAPE

MD ACRYL-TAPE is an extremely strong, double-sided adhesive tape. Recommended for bonding, mounting and securing outdoor and indoor use. Holds permanent and securely to almost all smooth surface such as on metal, tiles, plastic, glass and wood. Ideal for mounting brackets, plates, hooks, storage elements etc. The surfaces will not be damaged. Moisture resistant.

Applications: metal, wood, glass, plastics, ceramics, rubber and paper.

Not suitable for PE, PP, PTFE (e.g. Teflon®), silicone, paper and vinyl wallpaper, non-cohesive substrates and on surfaces with stain-resistant coatings.

Stable in dry, clean and well ventilated areas at +10°C to +30°C for 1 year. Temperature resistance -30°C to +180°C.

item number/unit: MAT.R1.5 1,5 m polybag unit 14

MD MULTI-TAPE

MD MULTI-TAPE is a self-welding tape consisting of PIB (polyisobutylene) and rubber. Welds immediately under tension to an airless, homogenous insulation without temperature and pressure.

- MD MULTI-TAPE is non-sticky and easy to handle and apply
- Clean removal after cutting open
- For insulating and impregnating electrical components
- Protects metal pipes against corrosion
- Excellent water and ozone resistance

Areas of application:

Connections, splicings, repairs to a large range of rotary current and distribution cables up to 46 kV. Insulation, impregnation of electrical components, anti-corrosion covering for e.g. metal pipes. With MD MULTI-TAPE, even rotary current cables up to 46 kV. can be insulated with ease.

item number/unit: MTR.R5 5 m polybag unit 10



MD SILICONE-TAPE

MD SILICONE-TAPE is a self amalgamating, insulating tape material, which forms a permanent, waterproof, UV-resistant and airtight seal when cured. This easy-to-use flexible tape stretches around uneven shapes and forms and can be used for automotive, marine, electrical plumbing, sealing, insulating and general purpose application.

Applications:

- Automotive, marine, electrical plumbing, insulating and general purpose application
- Good abrasion and tear properties
- To do waterproof seals
- Do not use on gas pipes or connections
- Water hose and pipe repair, weatherproofing electrical connections, bundling wires, plumbing repairs etc.
- Can be used for electrical applications due to its excellent insulation properties
- Compatible with a wide range of substrates

Instructions:

The optimal processing temperature is between 0°C und +30°C. This tape can be applied in wet, non-oily conditions, although dry surfaces conditions are suggested for best performance. Hold the tape in position and apply a complete wrap back onto itself. This initial wrap secures the tape for additional wraps. Maintain a constant stretch as you continue to wrap, making sure each new layer "half laps" onto the previous layer. The overlaps will fuse together. The end of the final wrap must be pressed down onto prior wraps, using less stretch. For pressure applications stretch to the maximum and apply several tight layers. The layers from MD SILICONE-TAPE begin to vulcanize immediately forming a permanent, cohesive bond within 24 hours. Repositioning is not recommended after 2 minutes of wrapping.

item number/unit: MST.R1.8 0,5 x 180 cm polybag unit 10



AEROSOLS

For numerous application areas depending on individual needs.



item number/unit:
MSP.RT.Y400 400 ml spray can unit 12

MD Rust Transformer Spray - No more rust!

No need for time-consuming sanding and priming!

Areas of application: ■ construction ■ trade and industry ■ anywhere oxidising metal needs treating and protecting

Item description: In a single step, MD Rust Transformer removes and completely transforms existing rust to form an impermeable PU acrylic protective layer that prevents re-oxidation on the treated metal surfaces.

MD Rust Transformer's unbeatable action:

Step 1: Active pigments and oxygen binders transform the rust. The metal surface turns black, showing that the rust (iron oxide) has been transformed. MD Rust Transformer penetrates deeply into the metallic surface. This reaction can take 5-14 days depending on layers applied and temperature. Step 2: In parallel with the rust conversion, a cold- and heat-stable PU acrylic protective layer (-30 to 180°C) coats the transformed metal surface and forms a fully hardened surface with residual flexibility after approx. 14-24 hours depending on the ambient temperature. Temperature-resistant up to 180°C. The result is a durable protective layer with a water-insoluble acrylic resin which protects even damaged areas, preventing further oxidation.

Technical data:

Colour: dark brown, black Abrasion resistance: very good
Temperature resistance: +180°C Density at +20°C: approx. 0.75 g/cm³
Shelf stability at +5 - +30°C: at least 24 months



item number/unit:
MSP.SR.Y400 400 ml spray can unit 12

MD FAST CLEANER SPRAY

is a highly concentrated cleaner for all maintenance and installation work. Cleans pore-deep, degreases and removes resin.

MD FAST CLEANER SPRAY for:

- Removing oil, grease, resin, adhesive residues, clutch and brake wear
- Cleaning of motor parts, springs, electrical equipment, starters, rolling bearings and guides
- Removal of difficult stains on cushions and textiles

Technical data: Thickness (20°C): 0.82 g/ml, Pressure (20°C): approx. 3.2 bar, Spray rate: approx. 3 g/s. Shelf life: 12 months at room temperature.

Processing: Shake the container. Thoroughly spray contaminated parts, leave for the cleaner to take effect and then clean. Check for compatibility on plastic, rubber and colors on a hidden spot.

MD SILICONE SPRAY

is grease-free protection, lubricant, separation and care for plastics, wood, rubber and metals.

Properties: ■ Lubricates without staining and invisibly ■ Clean, non-exuding lubricant resin film ■ Good surface finish ■ High temperature resistance ■ Protects against oxidation and corrosion ■ Excellent electrical resistance ■ Water-repellent and antistatic

Areas of application:

In paper and wood processing it prevents the building up of adhesive residues on presses and guides. The treatment of cutting bars, edges and tools guarantees light and clean cutting. In the field of conveyor technology, the adhesion of goods to conveyor belts, channels, slideways and slides is prevented. Silicone spray insulates, protects and maintains plastic, rubber and metal parts with good lubricant effect. Protects electrical contacts against damp, rubber parts are cared for, do not become brittle and do not freeze and stick, plastic parts receive a good shine and do not become brittle, sticking and squeaking parts are freed up again and it is an excellent separating agent for moulding and spray injecting. Suitable as an assembly aid for hose connections.



item number/unit:
MSP.SIL.Y400 400 ml spray can unit 12



item number/unit:
MSP.BR.Y600 600 ml spray can unit 12

MD BRAKE CLEANER SPRAY

MD BRAKE CLEANER SPRAY is based on a special sort of special petrol. MD BRAKE CLEANER SPRAY is suitable for the rapid cleaning of drum and disc brake pads and blocks and also clutch parts. Also suitable for cleaning heavily oiled and contaminated machine parts. An optimum cleaning effect due to the high evaporation speed soon sets in. MD BRAKE CLEANER SPRAY is non-corrosive and does not corrode rubber and plastic parts (a self-test is necessary in any case). Brake cleaner is produced without CFCs or HCFCs and also without caustic substances.



item number/unit:
MSP.ZN.Y400 400 ml spray can unit 12

MD ZINC SPRAY

MD ZINC SPRAY (dark grey) is a fast-drying corrosion protection with outstanding long-term effectiveness for metals. The zinc used in the zinc spray and the zinc compounds contain over 90% pure zinc. Application areas for zinc spray can be found in all sectors of industry, trade and in bodywork construction especially wherever metals are exposed to corrosion. Zinc spray adheres to almost all metals. MD ZINC SPRAY also offers guaranteed protection for drilling and cutting sites as well as primer for plant and machine parts, which are exposed to the weather.

Properties: ■ Fast-drying, smooth, pore-free film ■ Can be spot-welded, electrically conductive and conducting intermediate layer ■ Heat-resistant up to approx. +500°C
MD ZINC SPRAY can be painted over but a self-test is necessary due to the large number of different painting systems available.

Processing: The surfaces to be coated have to be free of greases and oils. Treatment should take place at temperatures between 18°C and 25°C. Thoroughly shake the aerosol can for approx. 3 minutes, do a spray test and then apply from a distance of 20-30 cm in a criss-cross pattern. Dry to touch in 20-30 minutes. Completely dry after 24 hours.



item number/unit:
MSP.ZNA.Y400 400 ml spray can unit 12

MD ZINC ALU SPRAY

MD ZINC ALU SPRAY offers a heat-resistant corrosion protection for many base metals. MD ZINC ALU SPRAY adheres out-standing well to non-ferrous metal and iron.

The special benefits of zinc aluminium spray are:

- Fast-drying, smooth film
- High degree of shine
- The same color as freshly galvanised metals
- High abrasion resistance
- Temperature-resistant up to +600°C
- High adhesion
- Can be painted over

Areas of application:

MD ZINC ALU SPRAY is used in areas of industry, trade and other businesses wherever galvanised metals have been processed or damaged. MD ZINC ALU SPRAY is used as corrosion protection and represents an optical balance due to its similarity in color to freshly galvanised materials. The main application area for MD ZINC ALU SPRAY is in the fields of air conditioning and ventilation technology, heating systems, pipeline construction and machine housings.

Processing:

Working at room temperature between +18°C and +25°C. Before each spraying shake the can thoroughly for three minutes after the ball is heard and then perform a test spray. Remove rust and grease from the surfaces to be sprayed beforehand. Apply the spray in a criss-cross pattern from a distance of 20-30 cm. Wait 5-8 minutes between coats. Dry to touch in 15-20 minutes. Completely dry in 24 hours.



item number/unit:
MSP.ZB.Y400 400 ml spray can unit 12

MD ZINC BRIGHTNESS SPRAY

Colour: light grey

Areas of application:

Zinc brightness spray is used in the industrial sector, the trades sector, and wherever galvanised metals have been processed or damaged.

Technical data such as MD ZINC-ALU SPRAY.



item number/unit:
MSP.DLY400 400 ml spray can unit 12

MD COMPRESSED AIR SPRAY

Application: As a air duster spray, hold the can upright and spray the compressed air evenly from approx. 20 cm to 30 cm. As a cold spray, turn the can upside down and spray on the cold spray from approx. 20 cm. Only for commercial use. Carry out preliminary tests of the effect and material compatibility. Danger of frostbite when sprayed on the skin if the can is not used vertically.

Maintenance and cleaning spray

- to remove dust, dirt and other residues
- for computers, keyboards, technical components, office equipment, copiers, printers, etc.
- thanks to the pistol grip, the air duster is ergonomically to use and can be dosed precisely
- use the attached extension to reach even the most difficult areas
- for cooling and troubleshooting of overheated parts (please note the danger of ignition)



item number/unit:
MSP.TEF.Y400 400 ml spray can unit 12

MD PTFE SPRAY

MD PTFE SPRAY is a silicone oil and PTFE-based colorless lubricant and separating agent for metal, rubber, plastics and other materials. It is grease-free, water repellent and anti-adhesive.

MD PTFE SPRAY can be used to best effect wherever mineral oils or MoS2 cannot be used due to the risk of contamination e.g. in electrotechnology and electrical engineering plastics processing, textile industry etc.

Temperature resistant from -190°C to +260°C.

Processing: Shake the container thoroughly for approx. one minute before use. Spray the greasing point and after an individual running period check whether the desired lubrication effect has been attained. Repeat the process if necessary.



item number/unit:
MSP.MOS.Y400 400 ml spray can unit 12

MD RUST REMOVAL SPRAY

MD RUST REMOVAL SPRAY is based on mineral oils, isoparaffinic hydrocarbon mixtures and corrosion protectioninhibitors. It is also a proven lubricant and contact spray. MD RUST REMOVAL SPRAY removes numerous maintenanceeasily and quickly, repair, servicing and production problems. Due to its excellent creep properties the rust removalspray also penetrates into the smallest cavities.

- Loosens seized connections such as screws, nuts and bolts
- Protects against corrosion, lubricates sliding surfaces, eliminates squeaking and creaking
- Displaces water from ignition contacts and electrical cables
- Guarantees contact on distributor caps
- Maintains and cleans brake rods and chains of all kinds

Processing: Shake the container thoroughly and wet the surface to be treated. The treated parts can be loosened after just a few minutes.



item number/unit:
MSP.LS.Y400 500 ml spray can unit 12

MD LEAK DETECTION SPRAY

MD LEAK DETECTION SPRAY tested by the German Technical and Scientific Association for Gas and Water (DVGW) for detecting leaks in compressed air and gas systems or fluid pipes.

- Shows up even small leaks immediately through foam formation
- Very suitable for use in inaccessible locations
- Non-flammable and therefore also specifically applicable in gas pipes or gas bottles

Areas of application:

Suitable for checking for leaks in underground and fluid pipes, heating pipes, boilers, tyres, taps, compressed-airbrakes, valves etc.

NEW!



item number/unit:
MSPFS.Y600 600 ml spray can unit 12

MD fix SEAL SPRAY

The sprayable sealant is characterised by its simple application method and spraying precision without any additional tools. MD fix Seal adheres to most surfaces, such as stone, metal, plastic, wood, enamel, and many more. It protects metals from corrosion and contains neither bitumen nor silicone.

Features:

- Clean and easy to work with indoors and outdoors
- Non-dripping — no spray mist
- Dries quickly and can be painted over (at +20 °C and 2-3 cross-coatings (approx. 300-450 µm) after approx. 8 hours with commercially available paints)
- Very stable
- Resistant to cold, heat, salt, water, weather and abrasion

Applications: Fix SEAL Spray is particularly suitable for vehicle underbodies, wheel arches, front spoilers, sills, car doors, edges, seams, rear sections, hoods, boot lids, etc. Sealing and coating for many universal applications, such as on gutters, sewer and drainage pipes, caravans, mobile homes and boats, roofs and windows, pool walls and pond liners, basement and ventilation shafts.



item number/unit:
MSP.WF.Y400 400 ml spray can unit 12

MD WHITE GREASE SPRAY

is a hydrophobic multi-purpose grease with white lithium-reinforced lubricants.

- Extraordinarily adhesive, no lubricant breakaway
- Lubricates all metallic moving parts and sliding surfaces
- Also applicable for technical plastics and plastics
- Suitable for use with running machines
- Metal-free, non-contaminating long-term protection
- Sweat, spray and saltwater-resistant
- Temperature-resistant from -40°C to +140°C
- Corrosion-inhibiting

Areas of application: Across the entire automotive range in repair and maintenance companies of all kinds. MD WHITE GREASE SPRAY is suitable for use as battery terminal grease, a separating agent and conserver.



item number/unit:
MSP.KS.Y400 400 ml spray can unit 12

MD CHAIN AND ROPE CARE SPRAY

is a fully synthetic, transparent and thin chain and rope care spray with a strong capillary effect and long-term lubrication. It penetrates chains and wire ropes from the inside out and is cold and heat-resistant from -15°C to +250°C.

- Adheres well, suitable for fast-running chain and rope constructions, no loss through dripping
- Neutral, non-aggressive, anti-static and noise-reducing
- O-ring neutral, contamination and dust-resistant

Areas of application: Deployable in industry, trade and the repair of chains and wire constructions, vehicles, motorcycles, mopeds, machines etc



item number/unit:
MSP.KAE.Y400 400 ml spray can unit 12

MD COLD FREEZER SPRAY

Highly versatile for long-term, rapid cooling of industrial and manufacturing machines.

- Indispensable for the rapid location of thermal overloads in the electrical field
- Valuable aid in the motor trade, for example for cooling overheated engine parts
- For short-term shrinking of metal
- For short-term icing of water pipes
- Immediate cooling down to -65°C due to its unique composition
- The cold spray is non-conductive and can be used with any material

Processing:

Generously apply the cold spray from a distance of approx. 20 - 30 cm! Do not use in the food sector!



item number/unit:
MSP.SOE.Y400 400 ml spray can unit 12

MD UNIVERSAL DRILLING AND CUTTING OIL SPRAY

This high-performance drilling and cutting oil combination can be used for all metal-cutting processes and especially for difficult to work materials such as stainless steel metals, aluminium, hard metals etc.

- Cooling lubricant with no aggressive additives
- High adhesive strength, which increases tool service life
- Protects against surface damage
- Permits very high cutting speeds

Areas of application:

Can be deployed for drilling, milling and cutting steel and non-ferrous metals of all kinds. Conserves effectively and increases tool performance e.g. paring chisels, drills, screwtaps, milling tools and saw blades.



item number/unit:
MSP.AS.Y400 400 ml spray can unit 12

MD ALUMINIUM SPRAY

Light alloy coating consisting of 99.5% micro-fine pure aluminium platelets

- Resistant to high temperatures up to 900°C
- Weather-resistant, film-like, cathodic corrosion protection
- Abrasion, scratch and brush-resistant aluminium coating
- Resistant to most acids and lyes, steam jet-resistant
- Dries quickly and forms an extraordinarily smooth surface
- Dual protection due to aluminium platelet pigmentation and additional plastic coating
- Adheres to all metals, ceramics, wood, glass and tiles as well as most plastics
- Electrically conductive, easy to work and overpaintable

MD ALUMINIUM SPRAY is ideal for quick repairs galvanized surfaces and damages after welding, drilling, filing, cutting or sawing. The spray is filled with environmentally friendly, neutral propellant.

Areas of application:

Suitable for maintenance and conservation of value of pipes, steel and machine construction, furnaces, heating, steam and combustion systems, turbines, air conditioning and ventilation technology, exhaust systems, boiler and container protection etc.



item number/unit:
MSP.ES.Y400 400 ml spray can unit 12

MD STAINLESS STEEL SPRAY

Heat-resistant stainless steel alloy to be extremely resistant cathodic protection with simultaneous plastic coating.

- Alloy of chrome, nickel and manganese pigments
- Secure adhesion to all metals, wood, glass, stone etc.
- Strong resistance to aggressive chemicals
- The stainless steel coating gives surfaces a metallic, color-matched gloss
- The same color as non-rusting steel
- The coating is highly weather-resistant and very abrasion and impact-resistant

Areas of application:

For the color-matched repair of stainless steel parts and for the coating and optical improvement of other parts with a stainless steel effect (surface metallisation). Offers long-term protection for pipes, machines, silos, turbines etc. For surface improvement after welding. Suitable as spot welding paint.



item number/unit:
MSP.EP.Y400 400 ml spray can unit 12

MD STAINLESS STEEL CARE SPRAY

Intensively cleans, maintains, protects, conserves and seal all smooth stainless steel and polished metal surfaces.

- The firmly adhesive water and dirt-repellent care film protects against oxidation and environmental influences
- Has an anti-static effect and protects effectively against finger prints and other contamination
- Does not affect painted finishes
- Applicable wherever stainless steel needs to shine.

Areas of application:

For cleaning and care in kitchens, in sanitary areas, in lifts, on railings, on stainless steel surfaces etc. MD STAINLESS STEEL CARE SPRAY can be used in public houses, restaurants, hotels, offices, airports, vehicle fleets, hospitals, office complexes and in industry. MD STAINLESS STEEL CARE SPRAY is also suitable for foodstuffs processing and health sectors.

MD ANTI STATIC FOAM CLEANER SPRAY

Ensures a mirror-like shine on all smooth surfaces: windows, mirrors, tiles, car interiors, glass, monitors, plastic surfaces etc.

- Powerful and yet mild cleaner
- Very economical due to high coverage
- Good skin tolerance
- Pore-free, smear-free and spotless cleaning
- Removes grease, smears, nicotine and fingerprints from all surfaces
- Cleans with its active foam effect

Processing:

Spray on MD ANTI STATIC FOAM CLEANER SPRAY from a distance of approx. 20-30 cm and wipe off with an absorbent cotton cloth or paper. Increase the exposure for fly droppings or serious contamination on windows.



item number/unit:
MSP.MSR.Y400 400 ml spray can unit 12

MD ANTI SEIZE CERAMIC SPRAY

Special long-life high-performance ceramic-based lubricant with high-technology properties.

- High temperature stability from -40°C to +1400°C and extremely pressure-resistant up to 220 N/mm²
- Excellent adhesion and lubricant properties due to lubricant and separation agents based on special ceramic base materials
- For highly stressed bearings and sliding surfaces, prevents seizing, friction-induced galling, wear and corrosion
- Seals flanges, flat seals and pump housings especially in the food sector as it contains no metals and graphite and is thus non-poisonous
- Very resistant to gases, acids, lyes and salts
- Prevents electro-chemical corrosion

Areas of application:

Universally applicable on all moving and highly stressed connections, assembly parts, bearings, sliding surfaces, nuts, screws, flanges and bolts. For stainless steel thread-cutting. No seizing of stainless steel and metal alloy threaded connections.



item number/unit:
MSP.AK.Y400 400 ml spray can unit 12



item number/unit:
MSP.ST.Y400 400 ml spray can unit 12

MD ANTI SPLATTER RELEASE SPRAY

Best possible protection against adhesion and burning in of welding sparks and beads on gas nozzles and material surfaces.

- Silicone- and acid-free
- Contains 95% pure material
- Applicable for electric and gas shielded arc welding
- Also suitable as a plastic mould separating agent

Areas of application:

Suitable for all weldable materials (e.g. steel, nirosta and aluminium). Treated surfaces can be painted or metallised after simple after-treatment.



item number/unit:
MSP.MF.Y400 400 ml spray can unit 12

MD MULTI FUNCTION OIL SPRAY

is a low-viscosity oil spray for lubricating and maintaining metal parts. It is used in the automotive sector, engineering, metalworking, hobby sector and in household. MD MULTI FUNCTION OIL SPRAY penetrates threads and eliminates and lubricates hinges, rollers, springs, watertaps, window and door handles, office chairs etc.

- Displaces damp
- Hydrophobe for surfaces e.g. on electrical contacts, car ignitions tools, motorcycles and outboardmotors
- Cleans and protects
- Dissolves crayon stains, grease, tar, rubber and adhesive residues
- Leaves a protective film against rust and corrosion on bicycles, prams, chrome parts, motorcycles, outboard motors and tools
- Loosens rusted parts
- Penetrates deeply and loosens rusted, corroded and seized nuts, screws, switches, cables and other closures.
- Loosens seized mechanisms
- Loosens and greases jammed door locks, hinges, zips, sewing machines, switches, couplings and cables

Processing:

Shake the can before use. Clean surfaces to be treated and then apply the material sparingly and accurately.

MD ADHESIVE SPRAY

MD ADHESIVE SPRAY loosens small gluing problems in the automotive, trade, model construction, DIY, hobby and household areas. Spray adhesive bonds paper, cardboard, carpet, wood, cork, leather textiles, rubber, foam rubber and plastic permanently and reliably.

- Clean, quick and easy to use
- High immediate bonding power and many possible uses
- Economic and precise application due to the adjustable spray head
- Heat resistance: stressed: +80°C,
unstressed: +100°C

Processing:

Shake the can thoroughly. Surfaces have to be free of grease, dry and clean. Apply to one side of absorbent surfaces and press together the parts to be bonded immediately applying strong pressure. Apply to both sides of non-absorbent surfaces wait 15 minutes (20°C) and then bond. Spray from a distance of 20-25 cm. Turn the can on its head after spraying and spray until no more adhesive comes out of the nozzle.



item number/unit:
MSP.SK.Y400 400 ml spray can unit 12







WORK TOOLS | DOSING PISTOLS

- Optimum mixing and application of material in one operation
- Precise application control through easy to use
- Fast order times
- Low material loss through precise dosage
- Cartridges can be exchanged rapidly
- The dosing gun is comfortable

		
<p>Dosing pistol for 50 g Double cartridge Mixing ratio 1:1, 2:1, 4:1, 10:1. Item no. MZ.DP.3 unit 1 Suitable for: alle 2K products 50 g</p>	<p>Dosing pistol for 50 g Double cartridge Mixing ratio 1:1 Item no.: MZ.DP.50 unit 1 Suitable for: alle 2K products 50 g 1:1</p>	<p>Dosing pistol for 50 g Double cartridge Mixing ratio 10:1 Item no. MZ.DP.2 unit 1 Suitable for: 2K products 50 g 10:1</p>
		
<p>Compressed air pistol for 50 g 1:1 Item no. MZ.DP.50-P unit 1 Suitable for: 50 g 1:1 2K products</p>	<p>Dosing pistol for 380 g cartridge 10:1 Item no. MZ.DP.380 unit 1 Suitable for: Megabond 3000, 380 g cartridges</p>	<p>Dosing pistol for 490 g cartridge 10:1 Item no.MZ.DP.490 unit 1 Suitable for: Megabond 3000, 490 g cartridges</p>
		
<p>Dosing pistol, Pneumatik, 310 g Item no. MZ.DP.310-P unit 1 Suitable for: MS Polymer sprayable, cartridges</p>	<p>Compressed air pistol Item no. MZ.DP.300-P unit 1 Suitable for: 300 g, 1-component cartridges</p>	<p>Deluxe Pistole for 400 g Double cartridge Mixing ratio 1:1 Item no. unit 1 Suitable for: 400 g 1:1, 2K products</p>

WORK TOOLS

With its wide range of tubes and capillary nozzles, Marston-Domssel offers possibilities for the most varied bead sizes. With Marston-Domssel dosing systems you have every material application effortlessly under control.

		
<p>Dosing pistol for 50 g Double cartridge Mixing ratio 1:1 Item no.: MZ.DP.1 unit 1 Suitable for: all 2K products 1:1</p>	<p>ECO Pistole for 400 g Double cartridge Mixing ratio 1:1 Item no.: MZ.DP.400 unit 1 Suitable for: all 400 g cartridges 1:1</p>	<p>Dosing pistol for 300 g Double cartridge Mixing ratio 1:1 Item no.: MZ.DP.300 unit 1 Suitable for: MS Polymer 2K MS Polymer Peeler cartridge, Silicone cartridges</p>
		
<p>Compressed air pistol with adapters for 400 g 1:1 and 490 g 10:1 Item no. MZ.DP.400-SPEZ-P unit 1 Suitable for: Megabond 2000, 3000, 2K MS Polymer cartridges</p>		
		
<p>Wide slot nozzle with 5 openings Item No. MAD.F VE 1 Suitable for: MS polymer and Silicone cartridges</p>	<p>Flat bead adapter, 30 mm Item No. MAD.R VE 1 Suitable for: MS polymer and Silicone cartridges</p>	

WORK TOOLS | DOSING NOZZLES

		
<p>Mixer CA-STAR 4:1 item no.: MMT.STAR 4:1 10 Stk. im Polybeutel</p>	<p>Mixer CA-STAR 4:1 item no.: MMT.STAR.50 4:1 10 pcs. polybag</p>	<p>Mini Mixer 1:1 item no.: MMT.MINI 1:1 10 pcs. polybag</p> <p>Standard mixer 1:1 item no.: MMT.M10-N 1:1 10 pcs. polybag</p> <p>Standard mixer 10:1 item no.: MMT.S10:1 10:1 10 pcs. polybag</p>
		
<p>Mixer item no.: MMT.Helix 1:1 10 pcs. polybag</p> <p>2K MS Polymer Mixer 1:1 item no.: MMT.MS 1:1 10 pcs. polybag</p> <p>Universal Mixer item no.: MMT.UNI 1:1 10 pcs. polybag</p>	<p>Quadro mixer for 400 g cartridge 1:1 item no.: MMT.S400 1:1 10 pcs. polybag</p> <p>Quadro mixer for 380 g cartridge 10:1 item no.: MMT.S380-G, green 10:1 10 pcs. polybag</p> <p>Quadro mixer for 380 g cartridge 10:1 item no.: MMT.S380, blau 10:1 10 pcs. polybag</p> <p>Mixer fo 490 g cartridge 10:1 item no.: MMT.S480 10:1 10 pcs. polybag</p>	<p>Attachments for MD GLUE for extremely fine dosing.</p> <p>Capillary nozzles item no.: MKD.10</p> <p>Fine drip tips item no.: MFS.10</p>

PACKAGING

Marston-Domsel offers a wide array of packaging for various adhesives. Whether bottles, tubes, pump dispensers or the new applicator sticks, we have the right package for each metering type.

Filling opportunity for MD 2K Adhesive



double syringe 1:1, 25 g

double cartridge 1:1 50 g

double cartridge 10:1 50 g

double cartridge 1:1 200 g

double cartridge 1:1 400 g



double cartridge 10:1 490 g



double cartridge 10:1 380 g



Peeler-cartridge 1:1 300 g

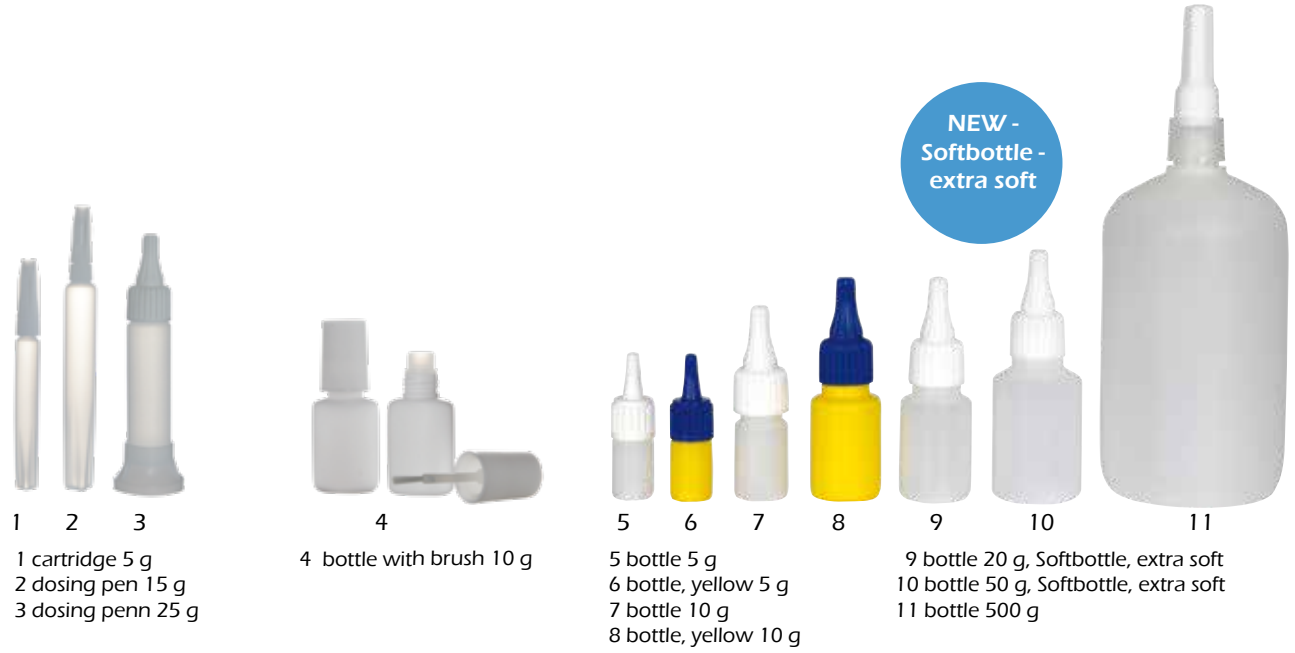


Automatic-cartridge 200 g

PACKAGING

Marston-Domsel offers a wide array of packaging for various adhesives. Whether bottles, tubes, pump dispensers or the new applicator sticks, we have the right package for each metering type.

Filling opportunity for MD GLUE



PACKAGING

Filling opportunity for MD anaerobic materials



Coloured caps for 10g anaerobic bottles

tubes
50 g, 100 g 250 g

pump dispenser
15 g, 50 g





Domsel - Sealing rings

Radial shaft seals with membrane collar

We specialise in the micro-technical area and can seal a shaft diameter up to \varnothing 1.4 mm without problem!

As a specialised manufacturer of radial shaft seals with diaphragm seals, Domsel offers high-quality products with superior properties. The Domsel radial shaft seals have been a favourite of machine and engine manufacturers in many countries, especially in difficult and extreme seal cases.

For these Domsel radial shaft seals, we use the following materials:

NBR	Nitrile butadiene elastomer
EPDM	Ethylene-propylene-diene polymer
MO	Silicone elastomer
FPM	Fluor-elastomer

Domsel radial shaft seals guarantee:

High peripheral speeds	up to 32 m/s
Permissible eccentricities	up to 0.4 mm.
Permissible concentricity deviation	up to 0.3 mm
Temperature range	from -60 to +200 ° C
Pressure application	up to 10 bar

Low friction effect!

Minimal formation of striae! The Domsel radial shaft seal is supplied as a ready-to-install and maintenance-free sealing element. In the case of abnormal stress on our sealing ring, this should be noted in your order.



Domsel-Dichtringe

- Im Seel 21
- 52372 Kreuzau
- Tel.: 02422 / 5009 -3
- Fax: 02422 / 5009 -40

Technical description

The Domsel radial shaft seal ring is a sealing element for moving machine parts such as shafts, spindles, crank pins and piston rods.

The Domsel radial shaft seal ring has been tried and tested during long years of development and is patented in 12 countries.

The main advantage of the new Domsel radial shaft seal ring lies in the fact that the moment of friction of the seal lip sliding on the machine component to be sealed is 50 - 60 % less, the friction heat is reduced by a corresponding amount and as a result the application capability of the Domsel radial shaft seal ring has sharply increased with regard to the permissible peripheral speed of the shaft.

In addition the low radial contact pressure of the seal lip against the shaft permits the use of unhardened steel running surfaces. Practice has shown that any surface, regardless of quality and finish, is attacked by the rubber lip of conventional designs with spiral spring and that scoring occurs. The quality of the running surface only serves to delay or accelerate the critical state leading to leakage. In running tests with our seal ring on precision turned shafts running marks were found on the shaft which only took the form of a „superfine polish“ in the contact area of the lip, but did not cause any wedge shaped scoring.

As the seal lip creates a „natural running surface finish“ a peak-to-valley height of 2-4 microns is sufficient when machining the shaft; the finish of the „natural“ running surface can hardly be achieved by machining. The peak-to-valley height of 2-4 microns should be specified so as not to cause any destruction of the lip edge on initial start up.

For the location hole d2 ISA tolerance range H8 should be used and for the shaft d1 ISA tolerance range h11. Whilst a permissible peripheral speed of 6-10 m/sec is specified for radial shaft rings, the Domsel radial shaft seal rings have been tried and tested for a peripheral speed of over 30 m/sec.

By virtue of the steady support of the short seal lip by metal support ring positive sealing is obtained within a pressure range of 5-10 bar. Another important advantage of the Domsel radial shaft seal ring is provided by the new construction of the seal lip. No additional coil spring is necessary.

Pre-stretching of the diaphragm collars compensates for any creep on the part of the collar material, the seal lip has the necessary resilient properties and as a result ensures a lasting seal lip.

This advantage is particularly apparent with the sealing of corrosive media such as water, sea water etc., as with the Domsel radial shaft seal ring on the side of the medium to be sealed off no metal parts are present and the medium is faced only by the rubber surface of the diaphragm collar.

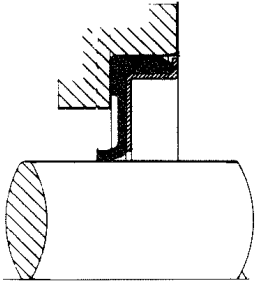
The seal lip on the Domsel radial shaft seal ring is significantly more flexible as there is no structural necessity to reinforce or brace the lip profile for positive spring location. The seal lip clings more readily without any gap to the surface of the machine component to be sealed and even with true running errors such as static and dynamic eccentricity ensures proper sealing – brought about by the inertia which is considerably lower than is the case with conventional radial shaft seal rings.

By combining two diaphragm collars it is possible to form Domsel radial shaft seal rings with double lip of minimal overall length ready for fitment, these being suitable for more arduous sealing conditions. This provides clear structural advantages for the design of difficult sealing points which make themselves felt in shortening of the fitting dimensions.



Standard types overview

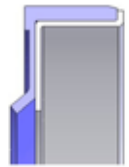
Typ A



The seal lip faces towards direction of fitment.

Application:
standard, unproblematical
sealingpoints

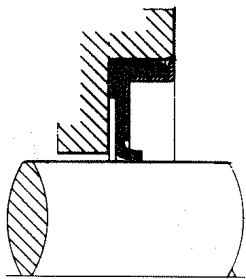
Typ A



← Mounting direction

→ Pressure direction

Typ B



The seal lip faces away from direction of fitment.

Application:
standard, unproblematical
sealing pints

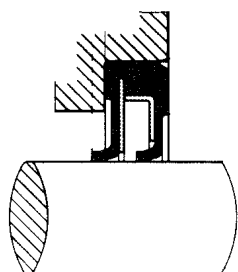
Typ B



← Mounting direction

← Pressure direction

Typ AB



The seal lips face towards direction of fitment.

Anwendung:
Sealing of compressed air and
gases. Sealing of difficult grease
starved sealing points.

Available in black and white.

Typ AB

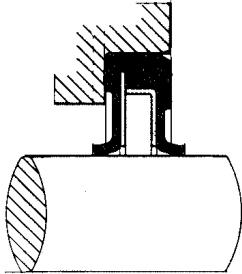


← Mounting direction

→ Pressure direction



Typ AC



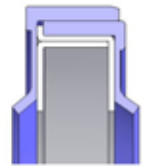
The seal lips face towards and away from direction of fitment.

Application:
proper separation of two medias

Available in black and white.



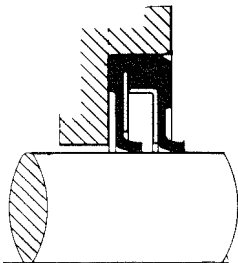
Typ AC



← Mounting direction

← → Pressure direction

Typ BC



The seal lip faces away from direction of fitment.

Application:
With difficult requirements for
Sealing e.g. Compressed air or gases
low-grease sealing point.

Typ BC



← Mounting direction

← Pressure direction

When using double lip types AB, AC, BC, the annular space between the two lips is 2/3 packed with grease to prevent dry running of the inside lip.

All the types can be manufactured as special models, with different heights from those in the catalogue.

THE ADDED VALUE FOR YOU AS A CUSTOMER...

Cost-reducing because:

- Reliable sealing even on unhardened and rust-free shafts
- Post-treatment of the shafts by curing, nitriding, chromium-plating, or the application of liners is not necessary for normal use

Competitive edge because:

- Your products can withstand higher peripheral speeds and higher pressures.
- The low coefficient of friction between the shaft and the sealing element reduces the conduction loss of your product, thus saving energy and reducing technical problems caused by heat
- High service life
- Negligible pumping effect at the sealing lip

Application

Blend	Continuous temperature range °C at seal lip	Resistant to	Shore hardness A°
HGx36a Nitril rubber NBR	-20 to +100 °C	Mineral oils, greases, washing liquors, water, dust, air, sea water	75 ±5
HGx39a Ethylene-propylene-polymer EPDM	-40 to +170 °C	Steam, water, washing liquors	75 ±5

Notice: Please use for greasing only lubrization of silikon bases

HGx42 Silikon rubber MO	50 to +180 °C	Mineral oils, greases, with low sulphur content	75 ±5
HGx50 Fluor rubber FPM	-30 to +200 °C	Mineral oils, many chemicals, sea water, water, washing liquors	75 ±5
PTFE	thermal strain of -60 up 220°C	special compound - excellent chem. resistance against aggressive media excellent dry - non characteristics	



Support elements

The support elements of this standard design are of plain steel to DIN 1624. For special designs it is possible to use stainless, acid-resistant steel, aluminium or brass to DIN 14301 or 14571, this providing not only corrosion protection with sea water or considerable resistance to chemicals, but also anti-magnetic properties.

If any points regarding field of application require clarifying please contact our technical sales division.

We have purposely refrained from publishing performance curves. Only testing under operating conditions can provide useful values.

Pressure ranges

The essential difference between our seal rings and conventional seal rings lies in the fact that we have dispensed with the customary spiral spring and as a result have also dispensed with the material build up at the seal lip which would otherwise be necessary for spring location. By virtue of the thin pre-stretched diaphragm making contact, the seal lip itself restricted to a minimum of material rests on the running surface exerting only the minimum pressure necessary to compensate for movement.

When pressure is applied the short seal lip permits a small lever arm so that without additional support elements, in contrast to conventional seal rings with spiral spring, very much higher pressure ranges can be dealt with. We have succeeded in satisfactorily sealing pressures up to 14 bar. Please tell us the pressure by ordering!

Our design AC is used for reciprocal pressures (vacuum to positive pressure). To prevent medium contamination by the seal ring grease it is possible to interpose a single lip design A or B according to direction of pressure. It should be pointed out that with the aid of Domsel radial shaft seal rings it is possible to satisfactorily seal true running deviations up to 0.3 mm and concentricity deviations up to 0.4 mm.

If you have any questions, please contact our technical service.



The information in this catalog have been compiled to the best of our knowledge and is intended purely for information purposes. No claims can be inferred therefrom. Before use, thorough experiments should be carried out. Our brochure represents a basis. Responsibility for possible measures to protect property and persons lies with the user. Safety data sheets on the required standard are available for all products on request.



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