



The Glue People

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Tradeseal MS

High quality MS-Polymer sealant / adhesive

Product Description

Tradeseal MS is a high quality single component joint sealant with high adhesive strength. It is based on MS-Polymer, chemically neutral and fully elastic. Tradeseal MS is formulated for use in low movement joints in construction, automotive, marine and aerospace areas where a tough flexible rubber is required.

Characteristics

- High bond strength on nearly all surfaces.
- Excellent adhesion on porous surfaces and PVC.
- High performance mechanical properties.
- Flexible elastic rubber – movement accommodation up to 25%.
- Straightforward application even in adverse conditions.
- No bubble formation within sealant (in high temperature and humidity applications).
- Primerless adhesion (except where capillary water pressure can occur).+
- Very easy to tool and finish.
- Good extrudability even at low temperatures.
- Colour stability and UV resistant.
- Ecological advantages – free of isocyanates, solvents, halogens and acids.
- Minimal health and safety considerations.
- Over-paintable with all water based paints and many other systems.
- Resistant to many chemicals.
- No staining of porous materials such as natural stone, granite (for marble please test a small area first).

Applications

- All sealing and bonding applications in the building and metal industry
- Structural bonding in vibration constructions

Application Examples

- Sealing and bonding in the building industry.
- Sealing of trafficated floor joints and low movement wall joints.
- Joints in high-rise construction.
- Structural bonding in vibration constructions.
- Connection joints in sheet metal fabrication.
- Supple bonding in car bodies, caravans and containers.
- Ship-deck caulking, ship and boat building.

Packaging and Colours

Colours: White – Clear (Near Glass Clear)
(other colours on request)

Packaging: cartridge of 310 ML

Shelflife

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Technical Data

Base:	Hybrid polymer
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin Formation:	10 min (20°C/65% relative humidity)
Curing Rate:	2-3mm/24h (20°C/65% R.H.)
Hardness:	45 ± 5 Shore A
Shrink:	None
Specific Gravity:	1.67 g/ml
Temperature Resistance:	-40°C until +120°C
Elongation at break:	750% (DIN 53504)
Elasticity Modulus 100%:	0.75 N/mm ² (DIN 53504)
Tear Strength:	1.8 N/mm ² (DIN 53504)
Elastical recovery:	>75%
Max Allowed Distortion:	20% ±

Chemical resistance

<u>Good:</u>	<u>Poor:</u>
Water	Aromatic solvents
Aliphatic solvents	Concentrated acids
Mineral oils	Chlorinated hydrogen
Grease	
Diluted inorganic acids and alkalis	

Joint Size

Min. Width:	2mm in bonding applications 5mm in joints
Max. Width:	10mm in bonding applications 30mm in joints
Min. Depth:	5mm in joints
Recommendation:	Width of joint = 2 times width of joints

Application

Surface preparation:	Clean, dry and free from dust, grease and any other contaminants. Non porous surfaces may be primed with TGP Surface Activator.
Application method:	Manual or pneumatic caulking gun
Application temperature:	+1°C until +30°C
Cleaning:	Clean with white spirits immediately after application
Finishing:	Smoothen joint with a soapy solution before skin forming

Transport Information

Road:	ADR	Free
Maritime:	IMDG	Free
Air:	ICAO / IATA-DGR	Free
UN Number:	None	Does not apply

Labelling

No danger labelling required.

Information

Tradeseal MS may be overpainted, however, due to the large number of paints and varnishes available we strongly recommend a compatibility test prior to application. Paint should be applied within 3 days and earlier if possible. It is highly recommended that tests to determine the suitability of painting systems and the length of time between applying sealant and painting are concluded. The drying time of alkyd resin paints may increase.

Important Notice

Data contained in this document is for information only and is believed to be reliable. Trade Grade Products Ltd (TGP) cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability of the product for any specific purpose and TGP is pleased to provide a sample upon request.

Before using this product ensure that you have been supplied with and have read carefully the following information.

The hazard label (complying with latest CDG/CPL regulations) applied to the container.
Material Safety Data Sheet, Tradeseal MS.