



The Glue People

Trade Grade Products Ltd
Unit 2, Thorne Way
Woolsbridge Industrial Park
Three Legged Cross
Wimborne, Dorset, BH21 6FB

Tel 01202 820177
Fax 01202 814011

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: Thick wall cartridge of 290 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 |
| Temperature Resistance: | -40°C until +90°C |
| Elongated at break: | 500% (DIN 53504) |
| Elasticity Modulus 100%: | 1.0 N/mm ² (DIN 53504) |
| Breaking Strength: | 2.0 N/mm ² (DIN 53504) |
| Elastical recovery: | >75% |
| Max Allowed Distortion: | 20% ± |

Chemical resistance

| | |
|-------------------------------------|----------------------|
| Good: | Poor: |
| 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. 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.