

MS: Polymer Sealant Data Sheet

Product Code: RC13103

General Description

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

Physical Data

Properties	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% ±

Packaging and Colours

Colours

White – Clear – Grey (Near Glass Clear)
(other colours on request)

Packaging

Thick wall cartridge of 290 ML

Application

-All sealing and bonding applications in the building and metal industry.

-Structural bonding in vibration constructions

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

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General Information

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

Chemical resistance

Good:

Water
Aliphatic Solvents
Mineral Oils
Grease
Diluted Inorganic acids and alkalis

Bad:

Aromatic Solvents
Concentrated Acids
Chlorinated hydrogen

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

Transport Information:

Road:

ADR Free

Maritime:

IMDG Free

Air:

ICAO/IATA-DGR Free

UN:

None Does not Apply

Labelling:

No danger labelling required.

Additional Information

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.

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