



FIXSEAL MSPCLEAR

Updated: 29/10/07

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Technical Characteristics:

Base	MS Polymer®
Consistency	Stable Paste 100% CLEAR
Curing System	Moisture Cure
Skin Formation (*)	Ca. 12 min. (23°C/75% R.V.)
Curing Rate (*)	3mm/24h (23°C/75% R.V.)
Hardness	40 Shore A
Change in volume	<2%
Specific Gravity	1.04g/mL
Maximum Deformation	±15%
Temperature Resistance (fully cured)	-40°C - 100°C
Elasticity Modulus 100 %	1.0 N/mm ² (DIN 53504)
Tear Strength	1.0 N/mm ² (DIN 53504)
Elongation at break	>330% (DIN 53504)
Shear Strength	>1.0N/mm ²
Substrate	AlMgSi1
Thickness	2mm
Shear velocity	10mm/min

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Product:

FixSeal MSPCLEAR is a high quality single component 100% CLEAR joint sealant with high adhesive strength. It is based on MS-Polymer®, is chemically neutral and fully elastic. For use in low movement joints in construction, automotive, marine and aerospace areas, where a mould resistant, tough and flexible rubber is required.

- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Minimal health and safety considerations
- Can be painted with all water based paints and many other systems (preliminary test recommended)
- Resistance to many chemicals
- No staining of porous materials such as natural stone, granite, marble, fibreglass etc.

Characteristics:

- High bond strength on nearly all surfaces
- Excellent adhesion on porous and non porous substrates
- High performance mechanical properties
- Flexible elastic rubber – movement accommodation up to 20%
- 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 and UV resistance

Applications:

Sealing and bonding in the marine & building industry
 Sealing of floor joints and low movement wall joints that are exposed to ongoing traffic
 Structural Joints in high rise constructions
 Structural bonding in vibrating constructions
 Connection joints in sheet metal fabrication
 Supple bonding in boats, carbodies, caravans and containers

Packaging:

Colour: 100% Clear may discolour in extreme conditions

Packaging: cartridge 290mL

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.



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Shelflife:

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

Resistance to chemical agents:

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis

Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrogens

Substrates:

Nature: clean, dry, free of dust and grease

Priming: For porous surfaces Primer PR10 may be applied. Non porous surfaces may be cleaned with Acetone before application.

We recommend preliminary compatibility tests previous to application.

Joint dimensions:

Minimal width: 2mm (bonding)
5mm (joints)

Maximum Width: 10mm (bonding)
30mm (joints)

Minimum Depth: 5mm (joints)

Recommendation: width of joint = 2x depth of joints

Application:

Method: Manual- or pneumatic caulking gun

Application temperature: +1°C - 35°C

Cleaning: Methylated Spirits or Surface Cleaner immediately after application and before curing

Tooling: soapy solution before skin formation

Repair with: FixSeal MSPCLEAR

Health- and Safety Recommendation:

Apply the usual industrial hygiene.

Remarks:

- FixSeal MSPCLEAR may be overpainted with waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compability test before application. The drying time of alkyd resin based paints may increase.
- FixSeal MSPCLEAR can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc. may differ among manufacturers, we recommend preliminary compatilby test.

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