



FIXCLEAR - MSP CLEAR

Revision: 6/2016

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Technical Data:

Base	MS Polymer®
Consistency	Stable Paste 100% Clear
Curing system	Moisture Cure
Skin Formation(*)	Approx. 12 minutes (23°C and 75% R.H)
Cure Rate (*)	3mm/24Hrs (23°C and 75% R.H)
Hardness	40 Shore A
Change In Volume	< 2%
Specific Gravity	1.04g/mL
Maximum Deformation	± 15%
Temperature Resistance (cured)	- 40°C to 100°C
Elastic Modulus 100%	1.0 N/mm ²
Tear Strength	1.0N/mm ²
Elongation At Break	> 330%
Shear Strength:	1.0n/mm ²

(*) Values may vary depending on environmental conditions

Product:

FixClear MSP Clear 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 industries where a mould resistant, tough and flexible bond is required.

Characteristics:

- High bond strength on most all surfaces
- Excellent adhesion on porous and non-porous substrates
- High performance mechanical properties
- Flexible elastic rubber; movement accomodation up to 20%
- Easy application
- No bubble formulation within the sealant.
- Primerless adhesion
- Easy to tool and finish
- Good UV resistance.
- Ecological advantages: free of isocyanates, solvents, halogens and acids
- Minimal health and safety considerations

Characteristics continued:

- Can be painted (compatibility tests recommended)
- Resistance to many chemicals
- No staining of porous materials such as natural stone, granite, marble and fibreglass.

Applications:

Sealing and bonding in the marine, construction and transport industries. Sealing of floor and wall joints and low movement joints that are exposed to ongoing traffic. Bonding and sealing in joints subject to vibration. Connection joints in sheet metal fabrication. Flexible bonding in boats, car bodies, caravans and containers.

Packaging:

Colour – 100% Clear, may discolour in extreme conditions

Packaging – 290mL cartridge

Note: The contents contained in this documentation are the result of our experiments and our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the real 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 and compatibility tests.

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Shelf life:

18 months Cartridges; from production date
In unopened packaging in a cool and dry storage
place at temperatures between +5°C and 23°C.

Surfaces:

State of Surface: Abraded, clean, dry, free of dust
and grease

Priming: For porous substrates Fixseal 1060 may
be applied. Polypropylene, Primer PR20. Non-
porous substrates may be cleaned with Methylated
Spirits or an alcohol cleaner
We recommend a preliminary compatibility test.

Joint Dimensions:

Minimal Width: 2mm (bonding)
5mm (joint)
Maximum Width: 10mm (bonding)
30mm (joint)
Minimum Depth: 5mm(joint)
Recommendation: width of joint = 2 x depth

Resistance to Chemicals:

Good resistance to water, aliphatic solvents,
mineral oils, grease, diluted inorganic acids.
Poor resistance to aromatic solvents, concentrated
acids and chlorinated hydrogens

Application:

Method: Manual or pneumatic caulking gun
Application temperature: +5°C to 35°C
Clean up: Methylated Spirits or alcohol cleaner
immediately after application and before curing
Tooling: mild diluted soapy solution before skin
formation
Repair: FixClear

Health and Safety Recommendation:

Apply the usual industrial hygiene. Wear gloves .
Safety Glasses.

Remarks:

- FixClear MSP Clear may be overpainted with
water based paints, however due to the large
number of paints and varnishes available we
strongly recommend compatibility tests
before application. The drying time of some
alkyd paint systems may increase.
- FixClear MSP Clear can be applied to a wide
variety of substrates. Due to the fact that the
specific properties of substrates will differ
from manufacturer to manufacturer we
strongly recommend compatibility tests.

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