TECHNICAL DATA SHEET

FIX15

Technical Data:

Base	MS Polymer®
Consistency, Density	Stable Paste, 1.48kg/m3
Curing system	Moisture Cure
Skin Formation(*)	Approx. 15 min (23°C/ 50% R.H)
Tack Free Time (*)	Approx. 4 hours (23°C/ 50% R.H)
Cure Rate (*)	3-4mm/24hr (23°C/50%R.H)
Hardness	50 Shore A (DIN53505)
Change In Volume	<3%
Specific Gravity	1.55 kg/m3
Maximum Deformation	± 12.5%
Temperature Resistance (cured)	-40°C→100°C Shortly resistant up to +200°C
Elastic Modulus 100%	1.1 N/mm² (ISO37, DIN 53504)
Tensile Strength	2.9 N/mm² (ISO37, DIN 53504)
Elongation At Break	> 250% (ISO37, DIN53504)
Shear Strength:	>1.6N/mm² (ISO37, DIN 53504)

(*) Values may vary depending on environmental conditions

Product:
Fix15 is a high quality single component joint sealant with high initial adhesive strength. It is based on MS Polymer®, which is chemically neutral and fully elastic with excellent primerless bonding. For use in low movement joints, adhesion and waterproofing in the construction, automotive, marine and aerospace industries where a strong bond and/or UV resistant flexible seal is required.

Characteristics:
- High bond strength on a wide variety of substrates
- Non Yellowing white, and colourfast black
- High performance mechanical properties
- Flexible elastic rubber; movement accommodation up to 20%
- Assed under criteria of NOHSC Australia and considered as non-toxic, Certificate No.2146.
- No bubble formation within the sealant
- Primerless adhesion (except where capillary water pressure can occur)
- Easy to tool and finish
- Excellent extrudability and UV resistance
- Ecological advantages- free from isocyanates, solvents, halogens and acids
- Minimal health and safety considerations
- Can be wet on wet painted with all water based paints and many other systems*
- No staining of porous materials such as natural stone, granite, marble, etc.

Applications:
Sealing and bonding of areas with high traffic, floor joints and low movement wall joints. Suitable for bonding and sealing but not limited to steel, aluminium, stainless, PVC, fiberglass, concrete, composite, glass, timber, mirrors, polystyrene, rubber, PU foam, etc….Connection joints in sheet metal fabrication. Sealing and bonding of coachwork, caravans, boats, commercial ferries and ships, buses, aircraft, domestic and commercial construction.

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Packaging:
Colour – Black, White & Grey
Packaging – 290mL cartridge, 600mL foil bag

Shelf life:
15 months Cartridges; 15 months Foil Bags
In unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.

Surfaces:
Typical Surface: Abraded with red abrasive pad or suitable sand paper, clean, dry, free of dust and grease, wipe surface clean with Industrial Alcohol.
Glass: clean, dry, free of dust and grease, wipe surface clean with Industrial Alcohol.
Priming:
a): For porous substrates we recommend Fix1060 Epoxy sealer be applied.
b): PE or PP Plastics we recommend Primer PR20 be applied for good adhesion.

Joint Dimension:

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

Chemical resistance:
- Good against water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis
- Moderate against esters, ketone and aromatics
- Not resistant against concentrated acids and chlorinated hydrocarbons

Application:
Method: Manual or pneumatic caulking gun
Application temperature: +5°C to +35°C
Clean up: Methylated Spirits or industrial alcohol cleaner immediately after application and before curing
Tooling: mild diluted soapy solution (e.g. pH neutral dishwashing liquid diluted in fresh clean water), before skin formation
Repair: Fix15

Health- and Safety Recommendation:
Apply the usual industrial hygiene. Wear gloves . Safety Glasses.

Remarks:
- Fix15 may be overpainted with water based paints, however due to the large number of paintes such as and not limited to 1 and 2 pack PU paints, acrylics, 2 pack varnishes that are available we strongly recommend compatability tests before application.
- The drying time of some alkyd paint systems may increase and some enamel and oil based paints will not cure properly.
- Fix15 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.
- We do not recommend the Fix15 for use in sealing exterior exposed oily wood such as teak, instead we recommend Fix1DC for this application.

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