FIX15

modified silyl polymer sealant

Fix15 is a high quality single component joint sealant with high 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.

SPECIFICATIONS

Colour	colourfast black, non-yellowing white
Packaging	290 ml cartridge 600 ml foil bag
Shelf life and storage	15 months: cartridges 15 months: foil bags In unopened packaging in a cool and dry storage place at temperatures between 5 °C and 25 °C
Clean up	Methylated spirits or industrial alcohol cleaner immediately after application and before curing

HEALTH AND SAFETY RECOMMENDATION

Apply the usual industrial hygiene. Wear gloves, safety glasses.

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 beyond 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.

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

features

- High bond strength on a wide variety of substrates
- High performance mechanical properties
- Flexible elastic rubber; movement accommodation up to 20%
- Assessed 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 (Contact your local Pyrotek representative)
- No staining of porous materials such as natural stone, granite, marble, etc.

MATERIAL PROPERTIES

Base	MS Polymer®
Consistency	Stable Paste
Curing system	Moisture Cure
Skin Formation(*)	Approx. 15 minutes (23 °C/50% R.H)
Tack Free Time (*)	Approx. 4 hours (23 °C/50% R.H)
Cure Rate (*)	3 mm/24 hr (23 °C/50% R.H)
Hardness	48 Shore A
Change In Volume	<2%
Specific Gravity	1.55 g/cm^3
Maximum Deformation	± 20%
Temperature Resistance (cured)	-40 °C to 100 °C
Elastic Modulus 100%	1.1 N/mm^2 (ISO 37, DIN 53504)
Tensile Strength	2.2 N/mm^2 (ISO 37, DIN 53504)
Elongation At Break	>300% (ISO 37, DIN 53504)
Shear Strength	>1.6 N/mm^2 (ISO 37, DIN 53504)

**Values may vary depending on environmental conditions*

APPLICATION EQUIPMENT

Method: Manual or pneumatic caulking gun
Application rate: For Sorberpoly, Sorberfoam and Echohush products installed at weights below 1 kg/m^2, recommended application rate is 100 g/m^2. Testing by the end-user is recommended to ensure suitability for substrate and application.
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

SURFACES

Typical Surface: Abraded with red abrasive pad or suitable sand paper. Wipe surface clean with industrial alcohol to ensure it is clean, dry, free of dust and free of grease.
Glass: Wipe surface clean with industrial alcohol to ensure it is clean, dry, free of dust and free of grease.
As the specific properties of substrates will differ from manufacturer to manufacturer we strongly recommend compatibility tests.

Priming

a) For porous substrates we recommend Primer PR10 be applied.
b) PE or PP Plastics we recommend Primer PR20 be applied for good adhesion.

Remarks: Fix15 may be painted over with water based paints. However due to the large number of paints such as and not limited to 1 and 2 pack PU paints, acrylics, 2 pack varnishes that are available, we strongly recommend compatibility tests before application. The drying time of some alkali paint systems may increase and some enamel and oil-based paints will not cure properly.