



Modified Silyl Polymer Sealant



Fixseal MSP15 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.

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°.

Health and Safety Recommendation

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

Certification



SOLAS Certified MED 0327QA, U.S. Coast Guard Approved No. 164.106/1121/WCL.

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.

FEATURES

- High bond strength on a wide variety of substrates
- Non Yellowing white and colorfast black
- 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.
- US Coast Guard Approved : Approval No. 164.106/1121/WCL
- Solas Certified : MED 0327QA
- 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.

SPECIFICATIONS

- Colour-Black and White
- Packaging – 290ml cartridge, 600ml foil bag

Refer to our website www.pyroteknc.com to check you have the latest information page

MATERIAL PROPERTIES

Base	MS Polymer®
Consistency, Density	Stable Paste, 1.55kg/m ³
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 (*)	3mm/24hr (23°C/50%R.H)
Hardness	48 Shore A
Change In Volume	<2%
Specific Gravity	1.55 kg/m ³
Maximum Deformation	± 20%
Temperature Resistance (cured)	-40°C→100°C
Elastic Modulus 100%	1.1 N/mm ² (ISO37, DIN 53504)
Tensile Strength	2.2 N/mm ² (ISO37, DIN 53504)
Elongation At Break	> 300% (ISO37, DIN53504)
Shear Strength	>1.6N/mm ² (ISO37, DIN 53504)

APPLICATION METHOD

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: Fixseal FIX15 - MSP15

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.

As the specific properties of substrates will differ from manufacturer to manufacturer we strongly recommend compatibility tests.

Priming:

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

Joint Dimension:

For bonding details, refer to **Reapor installation guide (207-1IG)**

Remarks: Fixseal MSP15 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.

Caveats: Specifications are subject to change without notice. The data in this document are typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic or mechanical engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek NC is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See www.pyroteknc.com/disclaimer.

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