

Advanced Two-Component Polysulphide Sealant

ChemSeal PS[®]



Description

The **ChemSeal PS[®]** is a two component non - sag high performance joint sealant based on Polysulphide which provides a flexible seal for vertical and horizontal joints.

Key Features

- Permanently flexible, excellent weatherability.
- Two component.
- Excellent adhesion to all materials.
- Highly resistant to sea water, chemicals and normal weathering.
- Not toxic.
- Fast curing.
- Easy to use.

Uses

- Sealant is designed to seal concrete construction joints.
- To seal waterproof rivet seams and roof rails.
- Sealing air conditioning equipment, flashing and gutters.
- Glazed units, curtain walling systems and similar structures where thermal movement can be high.



Application Instructions

- **Surface Preparation:** Surface preparation is the most important step before applying any type of adhesive and/or sealant to get best results and to avoid adhesion failure.
- The surfaces of the joint to be sealed must be clean and dry using compressed air is preferable.
- **Priming :** the porous materials like concrete , is primed with **ChemSeal Primer[®]**.
- **Application:** Proper joint profile is 2:1 width to depth ratio with minimum joint depth of 8 mm and maximum width of 50 mm. For 10 mm wide joints proper width to depth ratio is 1:1.
- Insert compressible polyethylene rod as backup material to control depth of sealant in the joint and to provide support for tooling of the sealant.
- Apply tape to both edges of the joint.
- The two components should be mixed carefully until a homogenous mix is obtained using mechanical mixer with 400-500 rpm.
- **ChemSeal Primer[®]** is applied during the pot life of the mix, and the primer has dried.

Technical Properties

Specific Gravity	1.6 ± 0.05 kg/l
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Movement factor	± 50 %
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Application Temp	4 °C to 60 ° C
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Service Temp	- 40 °C to 80 ° C
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Shrinkage	Nil
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Hardness shore A	25-50
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Skin Over Time	10 - 35 @ 25°C, Minutes
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Final setting Hardness	7 days
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Pot life	Non sag 4 hours, Pouring 2 hours @ 25 °C
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Color	Grey
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Standards

DIN 18540, BS 4254, ASTM C- 1193 , C-920, type M
Grade P or N S , class 50 , US. Fed TT- S-227E.

Packaging

- 4 Liters (in 2 components).

Shelf Life

Shelf life is up to 12 months when stored as per recommendations.

Warehouse Conditions

ChemSeal PS[®] store in normal temperature and closed shaded dry area in undamaged original packing.

Quality, Health And Safety

All products manufactured by **iChem[®]**, or imported from **iChem[®]** affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems.

Technical Support

For any technical support, please contact **iChem[®]** technical office or representatives.

