

ROCKSEAL 6600P

POLYSULPHIDE SEALANT POURING GRADE



DESCRIPTION

ROCKSEAL 6600P is a two component Polysulphide sealant. It is used for sealing construction and expansion joint sealant where large movement is anticipated in concrete construction and for joints between diverse construction materials like glass, aluminum, steel, cladding, glazing, tiling, tanks, internal and water retaining structures. It is used for sealing of constructions and expansion joints where there is vehicular traffic (e.g. airports and bridges) or pedestrian traffic. After mixing Resin and Hardener, the polymerization is initiated at room temperature, which proceed further until it is cured.

It has superior joint movement accommodation with strong adhesion to most building material. It is chemically resistance to water oils solvents

TYPICAL CHARACTERISTICS

RESIN

Chemical type	Polysulphide
Appearance	Flowable Paste
Color	Off- white
Viscosity at 30°C, Brookfield DV-II+, Spindle 06, speed 50 rpm, cPs, ATM R006 (ISO*2555)	50,000 – 90,000
Specific gravity at 300C, ATM* R004 (JIS* K6820)	1.60 – 1.75
Flash Point	Refer MSDS

HARDENER

Chemical type	Manganese Di Oxide Base
Appearance	Smooth Paste
Color	Brown
Viscosity at 30°C, Brookfield DV-II+, Spindle 06, speed 50 rpm, cPs, ATM R006 (ISO*2555)	8000– 12,000
Specific gravity at 300C, ATM* R004 (JIS* K6820)	1.65 – 1.80
Flash Point	Refer MSDS

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MIXED ADHESIVE

Mixing ratio R:H (w/w)	92 : 08
Color	Grey
Pot life at RT, 500g mix, minutes, ATM R007	100 - 260
Cure time at RT, 500g mix, Hours ATM R364	160 - 360
Exothermic observed, 500g mix, °C	Below 40
Flash Point	Refer MSDS
Flow , ATM R016	Flowable

CURING PERFORMANCE

The product will achieve its handling strength after 24 hours at room temperature. Curing Continues for atleast 7 days before full properties are developed.

CURE SCHEDULED

At 35°C, Days	7
At 5°C, weeks	7 - 8

OPERATING PARAMETERS

Application temperature	5°C to 45°C
In service temperature	- 40°C to 80°C

PHYSICAL PROPERTIES

Durometer Hardness, ATM-R019 (ASTM D2240)	Shore A	8 - 14
Shear Strength, MS to MS ATM R022 (ASTM D1002)	kg/cm ²	≥ 3
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Shear Strength, MS to MS ATM R022 (ASTM D1002)	kg/cm ²	≥ 3
Tensile strength, ATM R020(ASTM D882)	kg/cm ²	≥ 2.5
Elongation, ATM R020(ASTM D882)	%	≥ 450

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DIRECTIONS FOR USE

METHOD OF APPLICATION

The product may be applied to joint between 5 to 50 mm wide. Joints subjected to cyclic movements should be designed for an optimum width/Depth ratio of ($W = 2D$)

Minimum joint depths are:

5mm for metals, glass and other non – porous surfaces.

10mm for all porous surfaces like brick and concrete.

20mm for trafficked joints and those subject to hydraulic pressures

Hardener is mixed with Resin and stirred gently to get uniform color mix. Prior to the application of the sealant all joint surfaces should be thoroughly cleaned and dried and primed with suitable primer. Primer promotes strong adhesion of the sealant to the surface and is absolutely essential on most surfaces. Primer should be brushed on the sides of the joint. **ROCKSEAL 6600P** have excellent adhesion of the joint. In order to get maximum adhesion to surface of construction,

STORAGE AND SHELF LIFE

The Resin and Hardener should be stored at a temperature not exceeding. At higher storage temperatures the storage life would decrease sharply. The Resin and the Hardener containers should not be exposed to sunlight to avoid gelation.

Shelf life is 12 months from the date of manufacture in unopened containers

PACKING

3680 Gms Resin in 4 liter wide mouth tin container.

320 Gms Hardener in 250 ml plastic cover

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.