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CRETOSEAL PS-P

(Polysulphide Sealant Pour Grade)

Description

CRETOSEAL PS-P is two packs polysulphide based, tough flexible durable with strong adhesive sealant and is a pourable version, basically used for movement joints in concrete and pavements

Uses

- Sealing of expansion, contraction & construction joints in building structure such as basements, subways, retaining walls, floors, external walls, roof terraces & ceilings especially structural expansion joint running through the ceiling.
- Sealing of dynamic structural cracks
- Sealing of water retaining structure joints such as Water tanks, reservoir, dams, canals, and water treatment plant
- Sealing of joints in traffic areas such as Bridges, roads and car parking areas

Features & Benefits

- UV Resistant
- Good Weather ability
- Flame and fuel resistant
- Excellent Flexibility and movement tolerance
- Good resistance to chemicals and hydrocarbons

Application

Step no. 1: Surface Preparation The surface should be clean, dry and free from Laitance and loose particles. Correct joint design should be followed. To use economic quantity of CRETOSEAL PS-P the Width: Depth ratio should be 2:1
Back Up Materials: Insert compressible polyethylene, polyurethane, thermocol foam neoprene, polyethylene butyl rods as back-up material to control depth of sealant in the joint and to provide support for tooling of the sealant

Step no. 2: Priming Apply one coat of CRETOSEAL PS primer on porous surface with dry brush. Please ensure the primer should not apply on Bond Breaker. Primer to be applied only on both side of concrete surface. Allow the primer to dry for one hour and then apply the sealant as soon as possible and certainly within 8 Hours.

Bond Breaker

Fix bond breaker tape such as self adhesive polyethylene tape on back-up material to avoid adhesion of sealant to the third surface.

Masking Tape Apply masking tape such as self-adhesive polyethylene, cellophane or cloth tape on both edges of the joint. It is used to improve the neatness of the finished seal by protecting the face edges of the joint. It may be removed immediately after Tooling of the sealant. Both parts of polysulphide

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are Pre weighed materials; by using paddle type mixer both the parts to be mixed till a smooth uniform Consistency mix is obtained. Mixing time normally is around 8 to 10 minutes.

Step no. 3

Mixing

Both parts of polysulphide are Pre weighed materials; by using paddle type mixer both the parts to be mixed till a smooth uniform Consistency mix is obtained. Mixing time normally is around 8 to 10 minutes.

Application

The joint surface must be clean dry & CRETOSEAL PS-P can be poured directly from the mixing container. Pour into the joint to the required level. It may be necessary after few minutes to top up the Level of sealant after it has flowed into all joint irregularities. Finally strip of the masking tape that has been used

Technical Data

Appearance	Base & Curing agent - Homogeneous smooth paste
Colour	Base : Off white
	Curing agent : Dark Brown
	Mixed-Standard grey
Mixed Density @ 25 ⁰ C	1.55 to 1.65
Pot life @ 25 ⁰ C	Minimum 30 minutes
Self leveling	Acceptable
Mixing Ratio by weight	Base : Curing agent 92 : 8
Hardness shore 'A' 25 ⁰ C: After 7 days	Minimum 5
Curing time	7 days at 20 ⁰ C
UV Resistance	Good
Weather ability	Good
Chemical resistance	Resistance to most alkalies & dilute acids, petrol, diesel or jet fuel and many solvent and vegetable oils.
Flammability	Flame and Fuel resistant as per BS specification
Service temperature	-40 ⁰ C to +80 ⁰ C

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Joint width Minimum - 6 mm Maximum : 50 mm	Design Joint width Floor Joint : Expected movement X 4.33
Joint Depth Porous surface : >12 mm Maximum : 25 mm	Width to depth ratio 1:1 for floor joints Movement factor Floor joint : 30%

Coverage:

Sealant Requires in Kgs $\frac{W \times D \times L \times \text{Mixed Density}}{1000}$

W – Joint Width in MM

D – Sealant Depth in MM

L – Joint Length in Mtr

Mixed Density- It should be in gm/cc

Packaging

4 Kg Pack

Health & Safety

CRETOSEAL PS-P should be applied with gloves and care should be taken to see that it doesn't fall on screen or eyes. splashes on t eyes have to be immediately washed with plenty of water and medical advice has to be taken.

Storage

Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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