

ChemSeal PS PG

Two Component Pouring Grade Polysulphide
Sealant for Horizontal Concrete Joints

Description:- ChemSeal PS PG is two components, polysulphide polymer based, UV resistant, flexible, tear resistant, rubbery, self-leveling, pourable, non-staining sealant, which exhibits excellent adhesion to primed concrete surfaces. It is used for horizontal joints in many types of buildings and civil engineering constructions works such as concrete sealing expansion and construction joints, concrete road and highways Runways, parking zone, bridges, warehouses etc.

Characteristic Parameters

It conforms to specification prescribed in - BS: 5212:1990, IS: 12118:1987, ASTM D 412

Test Parameters	Specification
Appearance Comp.A Comp.B	Off White Viscous Liquid Black Colour Viscous Liquid
Mixing Ratio (Comp.A:Comp.B)	92 : 8
Mix Density at 27°C, Kg/Liter	1.60 – 1.70
Pot Life at 27°C	Minimum, 0.5 hours
Shore A Hardness After 7 Day	>10
Tensile Strength kg/cm ²	>3.5
Elongation at Break %	350 – 450 %
Service Temperature	-5°C to + 50°C

Features/Advantages

- ❖ Excellent UV resistant.
- ❖ Provides uniform, water tight seal.
- ❖ Highly resilient with excellent recovery characteristics and thermal flexibility.
- ❖ Cures to a tough elastic & flexible rubber like material.
- ❖ Bonds strongly to all building material.
- ❖ Chemicals, Fuel and Fire Resistant.

Applications

It is used for horizontal joints in many types of buildings and civil engineering Constructions such as

- ❖ Sealing of expansion and construction joints of concrete.
- ❖ Concrete pavements, roads, runways, parking lots.
- ❖ Sealing of dynamic cracks and to fill gaps between concrete.
- ❖ Extreme temperature zones.

Application Methodology

Surface Preparation

- ❖ Remove all dust, loose gravel and foreign matter by dry air jet and clean the surface mechanically or by grinding to make it smooth before Application.
- ❖ After proper cleaning to avoid adhesion of spill-over material beside joint, use masking tape at floor level beside both sides to get sharp edged neat and clean joint.
- ❖ Depth should not exceed of its width.
- ❖ Use backer rod to adjust depth suitably.
- ❖ Apply primer on vertical side faces of the joint to ensure strong bonding between substrate and sealant & leave for 15-20 minutes to become touch dry or tacky.

Material Preparation

Mix Comp.A and Comp.B in the ratio of 92:8, which are pre-weighed for approximately 8 -10 Minutes until a gray, smooth, even consistency is achieved by a slow speed mixture at approx. 400 To 500 rpm.

Application of Material

Install the mixed sealant into the prepared joint without trapping air. Tool-off with a spatula to Slightly concave profile. Remove masking tape.

Cleaning of Tools

Clean all tools and application equipment with Chem cleaner immediately after use.

Health & Safety

- ❖ Wear suitable protective clothing, gloves and eye protection.
- ❖ Avoid contact with skin / eyes, and avoid swallowing.
- ❖ Ensure adequate ventilation and avoid inhalation of vapor.
- ❖ In case of eye contact, wash immediately with plenty of clean water and seek medical advice.
- ❖ If swallowed seek medical attention immediately. Do not induce vomiting.

Coverage

$$\text{Sealant in kg} = \frac{W \times D \times \text{Density} \times L}{1000}$$

Where, L = Length of the joint in linear meter, W = width of the joint in mm
D = depth of the joint in mm

Packing:- 4 kg (Component A = 3.68 kg, Component B = 0.32 kg)

Shelf-life and Storage Condition:- Shelf life is 12 months from the date of manufacturing when Stored properly in unopened undamaged and sealed original packaging in cool and dry condition at temperature +5°C to +30°C.

Our Other Products Ranges Are:-

- Concrete Admixtures
- Sealants & Primer
- Industrial Floorings
- Concrete Repair Products
- Mould Release Agents
- Adhesive for Tiles, Marbles and Stones
- Concrete Curing Compounds
- Waterproofing Chemicals
- Industrial Grouts
- Concrete Hardeners
- Concrete Bonding Agents
- Joint Filler Grouts for Tiles, Marbles and Stones

Important Note:- Offshore Chemox products are confirming standard manufacturing specification and procedure. Offshore Chemox products are given in good faith based on Offshore Chemox current knowledge and experience of the products when properly stored, handled and applied under normal conditions. Offshore Chemox product are confident against defective materials and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Offshore Chemox endeavors to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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