

ChemSeal PS GG

Two Component Gun Grade Polysulphide
Sealant for Horizontal and Vertical Concrete Joints

Description:- ChemSeal PS GG is a two component polysulphide sealant for construction, expansion and contraction concrete joints applications and suitable for use in hot and tropical climatic conditions. It has excellent UV, chemical and fuels resistant property. The product is particularly recommended for sealing vertical structural concrete joints but can be used for horizontal concrete joints also in most civil engineering structures like building superstructures, subways, basements, floors, 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 Paste Black Colour Viscous Paste
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, 2 hours
Shore A Hardness After 7 Day	>20
Tensile Strength kg/cm ²	>3.5
Elongation at Break %	350 – 450 %
Service Temperature	-5°C to + 50°C

Features/Advantages

- ❖ Easy to apply and economical.
- ❖ Excellent adhesion with many Substrate.
- ❖ Good chemical weather resistance.
- ❖ Excellent UV Resistant.
- ❖ Fuel and Fire resistant.
- ❖ Can be applied in vertical & ceiling joints.

Applications

- ❖ Joints in traffic areas, retaining walls.
- ❖ Bridges, Underpasses and tunnels.
- ❖ High and low-rise buildings.
- ❖ Precast concrete elements.
- ❖ Wherever a permanently flexible seal is required.

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.
- ❖ Ensure that the Prepare Surface moisture content should not exceed 5 %
- ❖ 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.
- ❖ Use primer on vertical side faces of the joint to strong bonding between substrate and sealant & leave for 15-20 minutes to become touch dry.

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 Lightly concave profile. Remove masking tape.

Cleaning of Tools

Clean all tools and application equipment with chem cleaner immediately after use hardened /cured material can only be mechanically removed.

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 conditions: - 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.

OFFSHORE CHEMOX

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