



HIND SEALANT PS

PRODUCT DATA SHEET

POLYSULPHIDE BASED SEALANT FOR EXPANSION / CONTRACTION JOINTS.

DESCRIPTION

Hind Sealant PS is two-component system. After mixing two components, the mixed material provides a strong and highly elastic sealant through cross-linking process. It is available in two grades. Gun grade or non-sag-type is applied for vertical and inclined expansion /contraction joints & pour Grade type for horizontal joints. Conforming to **IS 12118 – 1987 & BS – 4254 – 1983**. Also available as per **BS 5212, Part 2**

USES

Hind Sealant PS is used both horizontal & vertical expansion contraction joints in all type of building and civil engineering construction such as:

- Retaining wall
- Precast Concrete Element.
- Underpasses and Tunnels
- Bridges
- High and Low Rise building and wherever a permanently flexible seal is required.
- Hind Sealant-PS pouring grade is designed specially for runways, subways, rigid pavements joints & horizontal joints

ADVANTAGES

- Economical and Easy to use
- Excellent adhesion to many substrate.
- Non-sag in vertical and overhead joints with Gun grade
- Easy to pour on horizontal joints with Pouring grade
- Permanently elastic
- Good chemical resistance.

APPLICATION

Surface Preparation: All surfaces must be clean, dry and free from loose particles. Correct joint depth can be determined by inserting compressible board tightly into the joint. Protect surface with a masking tape.

Priming : **Hind Sealant PS** primer is recommended for the surface namely concrete, brickwork, asbestos, cement, gypsum board, stone, glass, timber, rigid PVC, anodized aluminum, ceramics etc. Primer is not required for Epoxy and polyester surfaces.

Mixing : Both components are pre-measured. Use a suitable instrument for mixing. Mix for 8 to 10 minutes or until smooth and homogeneous material results. Using a pressure gun install the sealant into the joint without trapping air. Tool-off with a spatula to lightly concave profile. Remove masking tape.

Joint Design:

Minimum joint depth =	8 mm
Maximum joint width =	50 mm
Width to depth ratio for joints upto 10mm wide	= 1:1
Width to depth ratio for joints from 10mm to 50mm	= 2:1

PROPERTIES

Aspect of comp A	White paste
Aspect of comp. B	Dark brown paste
Mixed Compound	Grey in color
Density	1.55 ± 0.04 (Gun Grade)
	1.55 ± 0.02 (Pour Grade)
Mixing Ratio	Comp A- 92 : Comp B - 8
Movement Accommodation	± 20 % of the width
Tensile Strength	Minimum 0.3 N./ mm ²
Shore "A" Hardness	18
Pot Life at 27° C	4 hours
Full Cure	7 days
Width to Depth ratio	Width 2:1 depth.
Temperature Range	From 5° C to 80° C
Back up materials	Polyethylene brityl rod / Thermocol

SHELF LIFE

Best before 12 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2^o C (Min.) and 35^o C (Max.).

PACKING

1 kg, 4 kg tin container.

HANDLING PRECAUTIONS

Hind Sealant PS is non-toxic and ingestion to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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