

# HIND SEALANT PS

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

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## PROPERTIES

Aspect of comp A	White paste
Aspect of comp. B	Dark brown paste
Mixed Compound	Grey in color
Solid Content	100%
Density	1.55 ± 0.04 (Gun Grade) 1.55 ± 0.02 (Pour Grade)
Mixing Ratio	Comp A- 92 : Comp B - 8
Working Time	2 hours at 25°C
VOC Content	10gm/litre
Movement Accommodation	± 30 % of the width (60% in total)
Physical/Chemical change	Chemically cured
Tensile Strength	Minimum 0.3 N./mm <sup>2</sup>
Shore "A" Hardness	18-20 at 25°C
Curing Time	Initial 48 hours at 15°C & 24 hours at 25°C
Full Cure	21 days at 15°C and 7 days at 25°C
Operating Temperature	-30°C to +100°C
Service Temperature	-40°C to +80°C
Water Immersion	<b>Hind Sealant PS</b> should be fully cured for the mentioned time before permanent immersion in water.
Back up materials	Polyethylene butyl rod / Thermocol
Coverage (Including 5% wastage calculated)	<b>For Joints Size</b> 50mm Width X 25mm Depth = 2.034Kg per R.Mtr 40mm Width X 20mm Depth = 1.302Kg per R.Mtr 25mm Width X 12.5 mm Depth = 0.525 Kg per R.Mtr

## Resistance to chemical for occasional spillage

Diluted Acids	Resistant
Diluted Alkalis	Resistant
Aviation Fuel	Resistant
Petrol	Resistant
Diesel	Resistant
Lubricationg Oils	Resistant
Kerosene	Resistant
White Spirit	Resistant
Skydrol	Resistant
Aromatic Solvents	Resistant
Dilute oxidising acids	Non- Resistant
Chlorinated Solvents	Non-Resistant

## 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 **5°C (Min.) and 30°C (Max.)**.

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## PACKING

Available in 4 Kg, 6.5 Kg & 32 Kg Container.

## HANDLING PRECAUTIONS

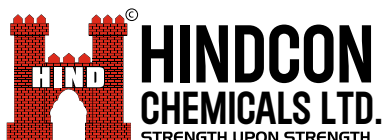
Hind Sealant PS is non-toxic and ingestion to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.



## IMPORTANT NOTICE :

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 behaviour 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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