

LIQUISEAL[®] PS PG

(Two Component pourable polysulphide sealant
conforms to BS 5212 : 1990)



IWL

Product Description

Liquiseal PS PG (Pouring Grade) is two part polysulphide sealant. After mixing the base components and curing agent in given proportion, a rubber like material in pourable consistency is formed. It adheres to cementitious substrates, aluminium, glass, wood, mild steel and other construction surfaces.

Uses

PS PG is used for sealing horizontal expansion joints in roads and culverts, bridge deck joints, car-parking, airport runways, floor concrete to masonry separation Joints.

Advantages

- Easy to use.
- Economical.
- Adhesion compatible to most of the substrate.
- Good UV resistance and weatherability.
- Good Chemical and Water resistance.
- High movement accommodation factor.

Product Information

Colour	:	Part A - Off white; Part B -Brown
Appearance	:	Paste
Mixing Ratio	:	Part A : Part B = 92 : 8 (by weight)
Specific Gravity (After mix)	:	1.50 ± 0.2 @ 30°C
Pot Life	:	60-120 min @ 30°C
Curing Time	:	7 Days (Full Cure)

Mechanical Properties

Tensile Strength	> 2.5 kg/cm ²
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Elongation	> 600 %
Shore A Hardness	> 8 to <14
Application Temperature	5°C to 45°C
Service Temperature	-20°C to +60 °C

Surface preparation

Surface preparation is the most important step before application of sealant. The joint surface must be dry, free from dust, coating, bituminous mastics, concrete curing agents, mould release agents, oils, grease and loose particles. Clean the joint surface by wire brush and sanding with emery paper. Remove dust by compressed air or paint brush. Wipe out oil and grease by solvent soaked cloth (such as xylene, toluene or acetone).

Back Up Material

Insert compressible polyethylene, polyurethane, neoprene, polyethylene butyl rod as back up material to control depth of sealant in the joint and to provide support for tooling of the sealant.

Priming

Apply LIQUISEAL PRIMER to the porous substrate such as concrete, wood etc., and apply two coats by brush on the sides of the joints surface at an interval of 30 minutes.

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.

Application - By Manual

Hardener is mixed with Resin and stirred gently to give an uniform colour mix. After mixing, it is suitable for pouring directly from the container into the joints. It finally levels by itself to form a smooth and clean surface.

Coverage

To calculate the weight (in kg) of sealant required for a joint of particular length (in meter), the following formula can be used.

$$\text{Weight in kg} = \frac{\text{SG} \times \text{W} \times \text{D} \times \text{L}}{1000}$$

where W & D are in mm and L is in metre.

SG = Specific gravity of the sealant

W = Width of joint

D = Depth of joint

L = Length of the joint



Approximately, 1 Litre of LIQUISEAL PRIMER would cover 6 to 7 Square metre of the joint area.

Packing

Resin (Part A)

3680 gm of material into the 4 Kg Container.

Hardener (Part B)

320 gm of material into 300 ml sachet.

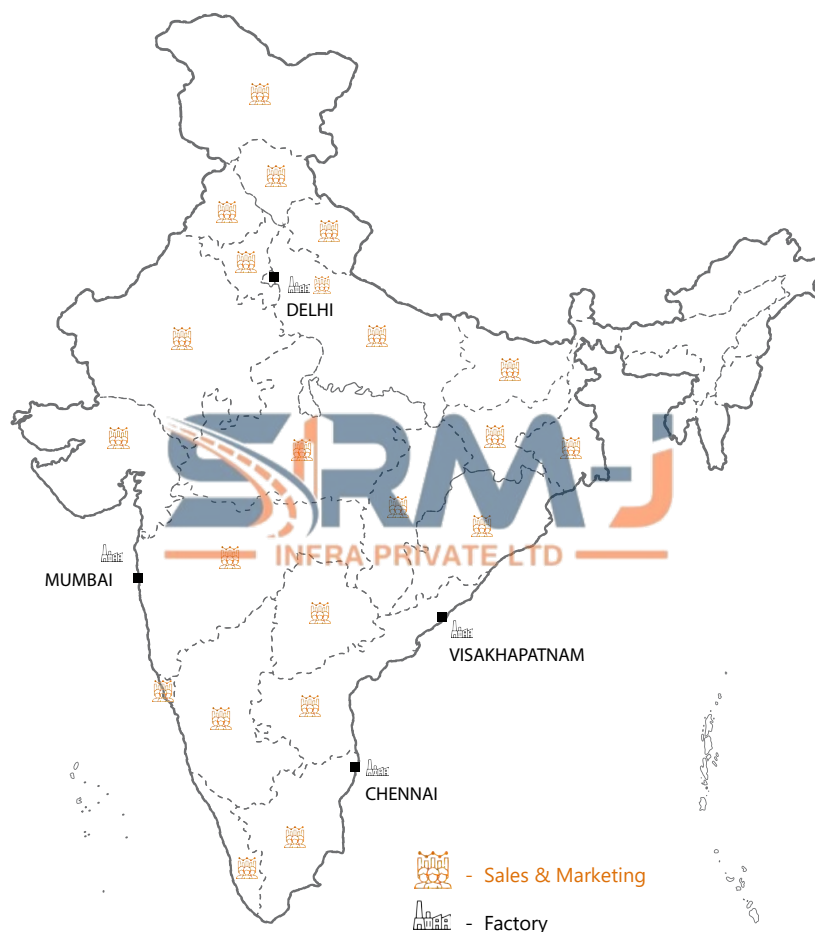
Storage

PSPG has a Shelf life of 12 months from the date of manufacturing, if unopened containers are stored in a cool dry condition between 5°C and 30°C.

Safety precautions

Avoid prolonged contact with skin. Wear protective gloves for hands and goggles for eyes. Any splashes on the skin / eyes should be washed immediately with clean water. In the event of prolonged exposure, seek medical attention.

IWL INDIA LIMITED



IWL India Limited was incorporated in 1988, to manufacture revolutionary, modified bitumen based, waterproofing membranes and anti corrosive tapes. Since then, we have diversified into a number of other product lines, including Road Products, Liquid Waterproofing Membranes, Coatings, Adhesives, Admixtures and Construction Chemicals. We have a dedicated team of 150 highly experienced professionals in our direct employ. With an ISO 9001 certification to boot, our products are approved by all major consultants, clients and contractors including Military Engineering Services, Nuclear Power Corporation of India, Engineers India Limited, National Thermal Power Corporation, Larsen & Toubro, Nuclear Power Complex at Kudangulam, Nuclear Power Complex at Kaiga and Bangalore, Kolkatta, Delhi and Ahmedabad Metro Projects.

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