

## POLYSULPHIDE SEALANT PPS

CODE: D900

### PRODUCT DATA SHEET

EDITION: 02.05.2017

#### Description:

**D900 DURABUILD POLYSULPHIDE SEALANT PPS** is dual pack polysulphide based joint sealant in two grades as above. It is pouring grade for horizontal movement joints. When two packs are mixed i.e. polysulphide with curing agent, it forms a tough, flexible, durable rubber like material with strong adhesive property on most building substrates.

#### Uses:

DURABUILD POLYSULPHIDE SEALANT PPS are used to form long lasting weather resistant and waterproof seals in joints subject to regular movement or permanent deformation. It is used in runways, rigid pavements or in horizontal movement joints.

#### Features:

- Long lasting elasticity
- High movement capability
- Excellent adhesion to many substances
- Good AFT fuel and chemical resistance
- Easy to pour on horizontal joints

#### Application Method:

##### 1 Surface Preparation

**Surface Preparation:** All the surfaces must be clean, dry and free from any loose particles, grease or oils. Correct joint design should be followed. Above 10 mm joint width, to use economical quantity of DURABUILD POLYSULPHIDE SEALANT PPS, Width: Depth ratio should be maintained at 2:1 by reprofiling the joint with our ACRYLIC POLYMER mortar. Where joints have been treated with fiber filler board, they should be raked back to the required depth and then compressible solid pipe or polyurethane foam of diameter matching joint width as back filler should be used and a bond breaker tape be placed (no three side bonding). Use our POLYSULPHIDE PRIMER on both inside surfaces of the joints. Edges may be converted with masking tape.

##### Joint Design :

Minimum joint depth	8 mm
Maximum joint width	40 mm
Width L Depth ratio Upto 10 mm	1 : 1
For 10 mm to 40 mm width, width : depth ratio	2 : 1



**Mixing :**

Both packs of polysulphide (large quantity) and curing agent (small quantity) are premeasured.

NO PART MIXING IS ALLOWED.

Use large pack and smaller pack at 92 :8 by wt.

Use paddle type mixture (low speed drilling machine) for mixing both the pack to a smooth uniform consistency. Mixing time is normally around 8 to 10 minutes. Place the uniformly mixed sealant into the joints by tapping. Tools off to a lightly concave profile with a spatula. Remove masking tape from the edge.

**Standard Compliances:**

ASTM 920 (G. Grade)

BS 5212 (Section Fuel Resistance), Pouring Grade

BS 4254

Din 18540 & US Federal Specification TTS-00227 E Class A

**Technical Data:**

PARAMETERS	SPECIFICATION	TEST RESULTS
Physical Appearance		Pack A - White paste in large quantity with cross linking Polysulphide polymer Pack B - Black paste in small quantity
Mixing ratio of Pack A: Pack B		92:8
Primer on inside surfaces of the joints		Use ACRYLIC POLYMER @ 6 to 8 m <sup>2</sup> per ltr
Movement capacity/expansion/contraction		± 25%
Shear Movement		20 %
Pot Life 20°C 30°C 35°C 45°C		8/10hrs with curing time 50-60 days 5/7hrs with curing time 30-40 days 4/6hrs with curing time 21-27 days 3/5hrs with curing time 15-21 days 1.5-2hrs with curing time 10-21 days
Density of the mixed material		1550 Kg/ m <sup>3</sup> at 30 ± 20C
Shore "A" hardness		20-25
Service temperature		Upto 80°C
Application Temperature		5°C to 40°C
Shrinkage		Upto 0.50%
Chemical resistance		Dilute acids, alkalis, AFT fuel, kerosene, diesel Petrol, lubricating oil, white spirit



**Packaging:**

In 1 Kg & 4 kg

**Shelf Life:**

12 months from the date of manufacturing when kept in cool, dry, unopened and undamaged original packing condition.

**Health & Safety:**

- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- Eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.

**POLYSULPHIDE SEALANT PPS**

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Non-Inflammable



Non-Toxic



Eco-Friendly



Make in India



**Dr. GHANTI'S LAB**<sup>®</sup>

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SEALANTS



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CEMENT ADDITIVE

**IMPORTANT NOTE:** The product information and application recommendations for final use of Durabuild's products, are given in good faith based on Durabuild's vast knowledge and experience of products when properly stored, handled and applied under standard conditions as per Durabuild's recommendations. The user of the product must conduct trials and test to ensure the suitability of the product for intended application and purpose. Owing to the difference in other materials, actual site conditions and on-site workmanship factors which are beyond our control, the company shall not accept any liability either directly or indirectly arising out of use of our products whether or not in accordance with any advice, specification, recommendation or information given by it. Durabuild reserves the right to customise the properties of the product through minor adjustments or fine tuning in the formulation to meet the exact site requirements testimony to its continuing research and development. Users must refer to the most recent issue of product data sheet, copies of which can be made available on demand. Durabuild products are manufactured as per stringent national/international quality standards and are guaranteed against any manufacturing defect. All products are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request.