



CLASSIC DURA POLYSEALTM

Two part Polysulphide Sealant

Product:

Classic Polyseal is a two part sealant based on liquid polysulphide polymer. The product is recommended for critical joint sealing and for sealing structural expansion joints in most civil engineering structures like building superstructures, subways, basements, floors and reservoirs.

Advantages & Benefits:

- Forms a tough elastic rubber seal
- High resistance to climate extremes and physical damage.
- Hard resistance to occasional Spoilage of dilute acids, diesel, kerosene, lubricating oils.
- Excellent weathering characteristics with resistance to rain, snow, heat

Purpose & Uses:

- Subways
- Retaining Walls
- Basements
- Brick Work Joints
- Reservoirs
- Expansion Joints

Specification:

Confirm to BS :4254:1983 DIN18540, U.S TT-S-00230C-1970

Packing:

Available in 1 Kg & 3 Kg Pack.

Coverage & Quantity Estimation:

$$Q = 1.6 * L * W * D / 1000$$

Where

Q=Quantity in Kg

L=Length of the Joint in meter

W=Width of the Joint in mm

D=Depth of the joint in mm

Description:

Classic Polyseal is a two-part joint sealant based on LP Liquid Polysulphide Polymer, It is supplied in 1 Kg & 3 Kg tins containing a base component and curing agent in the correct proportions, when mixed together, cures to form a tough rubber like material. After curing the sealant exhibits excellent adhesion to all building

surfaces including concrete, glass, Aluminium and Stainless Steel.

Joint Preparation:

Classic Polyseal sealants are designed for application in the joints between 5 to 50 mm wide which are expected to experience cyclic movements. The minimum depth: width ratio should be 1:2. Recommended sealant depths are 5mm for metals, glass and other non-porous surfaces. 10 mm for all porous surfaces. 20mm for the traffic surface joints.

Preparation of the Joints:

The surfaces to be joined should be clean, dry and free from any loose material, dirt, rust, dust, lacquers, grease and laitance etc., Remove all rust, scale and protective lacquers from the metal surfaces. Insert back up material and bond breaker to ensure the right depth to width ratio.

For construction or construction joints a bond breaker or backup tapes should be used. Where hydrostatic pressure exists, oily bond breaking tapes must be used not foamed back-up strips. For a neat finish, mask the four edges of the joint before priming and remove immediately after tooling is completed.

Priming:

It is recommended that for better adhesion, the surfaces must be primed by coating with a primer. This gives a strong adhesion of the sealant to the substrate.

Mixing:

Classic Polyseal is a two part polysulphide sealant, the base and the curing agent, contained in the same tin. The curing agent is to pour in the tin with the base and mixed thoroughly until a homogenous, uniformly coloured material is formed. For thorough mixing of the tin, it is preferable to use a slow speed electric mixer, fitted with a paddle stirrer for a full 5 minutes. Only thorough mixing will result in proper curing. After mixing fill cartridge and fix in the gun for application.

Finishing:

Classic Polyseal should be tooled to a smooth finish. The excess/dried material should be removed by scraping off and the washing with a brush or cloth with kerosene or cleaning agent. Any waste material from sealant application must be disposed of properly.

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Typical Properties:

Color: Grey

Temperature During Application: 5 to 45 °C

Density: 1.60 to 1.65 Kgs / Lt

Solids Content: Classic Polyseal must be fully cured before permanent immersion in water

Setting Time: 72 Hrs at 5 °C (Approx.)

36 Hrs at 15 °C (Approx.)

18 Hrs at 25 °C (Approx.)

Curing Time: 8 weeks at 5 °C

4 weeks at 15 °C

2 weeks at 25 °C

8 days at 25 °C

Hardness Size: 15 to 20

Chemicals Resistance: Resistance to most alkalis, dilute acids and chemical solutions.

Flammability: Burns but does not really support combustion.

Movement: 25% for butt joints and 50% for lap joints

UV Resistance: Good

Health & Safety

As the curing agent consists of heavy metal based oxide avoid skin contact. Wear impervious rubber or PVC gloves and eye protection. Hands should be thoroughly washed off with soap and water before eating or smoking. Cured sealant should not be brushed off due to the generation of toxic flames. Empty container should be carefully disposed.



Variety of Products:

Following are the other similar products from Primadonn Buildtech Pvt Ltd.,

- Classic Acryseal
- Classic PU Seal
- Classic Remould
- Classic Remould – RTU
- Classic Taccoat

TAMILNADU

Corporate Office

PRIMADONN BUILDTECH PVT LTD

No. 349, First Floor, Srinivasa Nagar, Kavaripettai, Gummidipoondy 601 206.

Ph+91-8220513172,

Admin Office:

No.605, Selva Vinayaga Nagar, Grant Lyon Village, Ponneri Tk., Thiruvalluvar Dt., Ph+91-6379174327, +91-8438276059.

Manufacturing Unit

No.603, Selva Vinayaga Nagar, Grant Lyon, Vadagarai, Chennai 600 052. Ph.+91-9444907177

KARNATAKA

Corporate Office:

PRIMADONN CONSTRUCTION CHEMICALS (P) LTD.,

Talacauvery Layout, Basavanagar, Bangalore 560 037. Ph.+9150878429, +91-9345411355.

PONDICHERRY

Branch Office

192/A, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-4208833, 91-+9514709240

Distributors

151, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-2222100, 91-+9345561820

Email: Info@Primadonn.com, www.Primadonn.com

