



HIND SEALANT PU 125

PRODUCT DATA SHEET

SINGLE COMPONENT HYBRID POLYURETHANE SEALANT

DESCRIPTION

Hind Sealant PU 125 is single component, high performance sealant based on hybrid polyurethane technology. It is a solvent, silicone and isocyanate free non-staining sealant for natural stones application. It possess an excellent UV, weather and temperature resistance properties. It has excellent adhesion over a wide variety of substrates and can be painted with all common industrial paints.

USES

Hind Sealant PU 125 is used both horizontal & vertical expansion joints in all type of building and civil engineering construction such as:

- Retaining wall.
- Doors and Windows.
- Precast Concrete Element.
- Underpasses and Tunnels
- Bridges.
- High and Low Rise building and wherever a permanently flexible seal is required.

ADVANTAGES

- Economical, Ready to use and fast curing.
- Non Staining including Hydrophobic staining
- Excellent primer less adhesion to a wide variety of substrates.
- Damp surface tolerant.
- Low dirt pick up.
- High movement accommodation.
- Ideal for expansion joints in building
- High UV & aggressive atmosphere resistance
- Comprehensive color range.
- Excellent low temperature gun ability .
- Improved gun & tooling characteristics .
- Environmental friendly.

APPLICATION

Surface Preparation

All surfaces must be clean, dry and free oil, grease and loose particles, sound and homogeneous, free from oils, grease, dust and loose or friable particles. **Hind Sealant PU 125** adheres without primers and activators. However, for optimum adhesion and critical, high performance applications, such as on multi-story buildings, highly stressed joints, extreme weather exposure or water immersion, pretreatment with primer is recommended on bonding surface.

Application

Cut tip off cartridge/ sausage with a sharp knife. Cut nozzle at 45° angle to desire bead width & apply to substrate with cartridge gun. Firmly extrude the sealant into slot ensuring complete contact with joint faces. Tooling time is 15 minutes, tack free time is 20-30 minutes. Application before skin forms to ensure good contact with joint substrates. Use approved backing material for joints over 10 mm deep. Uncured sealant can be cleaned up with mineral spirits.

Limitation to Use

Hind Sealant PU 125 should not be used for:

- Areas subject to continuous chlorinated water immersion, such as swimming pools, ,spa etc.
- Constant immersed in salt water.
- Glazed applications.
- Painted with alkyd resin paint because it will inhibit the curing of the paint.
- Used in trafficable joints greater than 10mm width.
- PE, PP, Teflon, Neoprene & bituminous surfaces.
- **Hind Sealant PU 125** may be over painted with water based paints, however due to the large number of coatings available, it is advisable to carry out a compatibility test before application. For alkyd paints a suitable water based undercoat must be used.

PROPERTIES

Aspect & Color	White & Grey Visual
Chemical Base	Single Component Hybrid Polyurethan
Density (ASTM D 1475)	1.3 to 1.45 g/ml
Tensile Strength. (ISO 37)	1.2-1.4 MPa Approx
Movement Accommodation	25 % - Max
Max. Joint Width	30mm
Min. Joint Width	10mm
Min. Depth 5	5mm
Tear Strength (ISO 34)	Approx. 7 kg / cm ²
Shore "A" Hardness (ISO 868)	25-35
Slump Resistance (BS 4254)	Max 2 mm
Elongation at Break (ISO 37)	500-600 %
Application Temperature Range	+5 to -40°C
Temperature Resistance	-30°C to +100°C
Skin Formation	20°C - 40°C (Min @ 23°C)

SHELF LIFE

Best before 12 months from the date of manufacture in unopened condition. Keep in cool and dry place away from direct sunlight between **5°C to 25°C conditions**.

PACKING

600 ml Aluminium Sausage packed in **Box of 20 Pieces**.

310 ml Cartridge packed in **Box of 25 Pieces**.

HANDLING PRECAUTIONS

Hind Sealant PU 125 is non-toxic. If contact with skin occurs must be cleaned with suitable solvents. If contact with eyes occurs, wash well immediately with water and seek medical advice. Keep out of reach from children. Before handling, read both the product and material safety data sheet for detailed use and health information.

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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HINDCON CHEMICALS LIMITED

(AN ISO 9001: 2015 COMPANY)

Office:

62B, Braunfeld Row, "VASUDHA", Kolkata - 700027

Tel: 24490839. Fax: 24490849

E-mail: contactus@hindcon.com, hindconchemicals@yahoo.com

Factory:

Baniyara, Jalan Complex, Gate No.3

Howrah – 711 411

www.hindcon.com