

HIND SEALANT PU FLEX 825

SINGLE COMPONENT HIGH PERFORMANCE HYBRID POLYURETHANE SEALANT



DESCRIPTION

Hind Sealant PU FLEX 825 is a single component, high performance sealant based on Hybrid Polyurethane Technology. It is Solvent, Silicone, Isocyanate Free & Non-staining for natural stones applications. Having an excellent UV, weather & temperature resistance. It has excellent adhesion over a wide variety of substrates & is paintable with most common industrial paints

USES

Hind Sealant PU FLEX 825 is used for ♦ Sealing expansion, construction joints ♦ Internal and external pedestrian ways. ♦ Warehouses and showrooms. ♦ High movement is anticipated. ♦ Ideal for connection and expansion joints in building. ♦ Multi-storied buildings, ♦ Highly stressed joints, ♦ Extreme weather exposure or water immersed area.

ADVANTAGES

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

APPLICATION

Surface Preparation

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. **Hind Sealant PU FLEX 825** 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 **10mm deep**. Uncured sealant can be cleaned up with mineral spirits

LIMITATION

Hind Sealant PU FLEX 825 should not be:

- Areas subject to continuous chlorinated water immersion, such as swimming pools, spa etc.
- Constant immersed in salt water.
- PE, PP, Teflon, Neoprene & bituminous surfaces.
- Glazing applications
- Painted with alkyd resin paint because it will inhibit the curing of the paint
- Used in trafficable joints greater than 10mm width

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- Hind Sealant PU FLEX 825** 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

PROPERTIES	RESULTS	TEST METHODS
Base	Single Component Hybrid Polyurethane	-
Color	White / Grey	Visual
Density	1.3 to 1.45 g/ml	ASTMD 1475
Slump Resistance	Max 2mm	BS 4254
Tensile strength	1.2 - 1.4 Mpa Approx.	ISO 37
Elongation at break	500-600 %	ISO 37
Shore A hardness	25 - 35	ISO 868
Movement Accommodation	25%	-
Tear Strength	Approx. 7 kg / cm ²	ISO 34
Maximum Joint width	30mm	-
Minimum Joint width	10mm	-
Minimum depth	5mm	-
Application temperature	5°C to 40°C	-
Temperature Resistance	-30°C to 100°C	-
Skin Formation	20 to 40 minutes at 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 and stored at temperature ranging between **5°C to 25°C**.

PACKING

Hind Sealant PU FLEX 825 is supplied in **600 ml Aluminum foil Sausage** packed in box of **20 Sausages** and **310 ml cartridge** packed in box of **20 pieces**.

HANDLING PRECAUTIONS

Hind Sealant PU FLEX 825 is non-toxic and should be kept out of reach of children. Use in well-ventilate areas. Before handling, read both the product and material safety data sheet for detailed use.

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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