

HIND SEALANT PU 100

SINGLE COMPONENT ELASTIC GUN GRADE HYBRID POLYURETHANE SEALANT



DESCRIPTION

Hind Sealant PU 100 is an elastic, single component, gun grade moisture curing polyurethane sealant that turns into a flexible durable and resistant elastomeric seam on curing. It has a very good adhesion to most construction and industrial materials conforming to **ASTM C 920** and manufactured as per **ISO 9001** Quality norms.

USES

Hind Sealant PU 100 is used for Sealing expansion, construction joints in rigid Pavements. ♦ Internal and external pedestrian ways. ♦ Warehouses and showrooms. ♦ For sealing joints to building facades where: ♦ High movement is anticipated. ♦ Non staining is a requirement. ♦ Prestige finish is important. ♦ Extreme weather conditions are expected ♦ Ideal for connection and expansion joints in building.

ADVANTAGES

- One part - No mixing on site. Permanently elastic over a wide range of temperatures.
- Non staining including Hydrophobic staining.
- Good primer less adhesion on many common construction substrates.
- Damp surface tolerant.
- Low dirt picks up.
- Excellent adhesion to a wide variety of substrates.
- High movement accommodation.
- High UV and aggressive atmosphere resistance.
- Anti Fungus / Mildew resistant.
- Comprehensive color range.
- Environmentally friendly.
- Excellent low temperature gun ability.
- Improved gun and tooling characteristics.

APPLICATION

Surface Preparation

Ensure that all surfaces are clean, dry, and free from all loose dirt, dust, laitance, oil, grease or any other contaminants, which may impair with adhesion. Metal surfaces should be cleaned and degreased. For a neat finish, apply masking tape and remove it before sealant has skinned over.

Application

Cut the tip off cartridge / sausage with a sharp knife. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun. Firmly extrude the sealant into slot ensuring complete contact with joint faces. Tooling time is 30 minutes, tack free time is 35 - 60 minutes. The sealant should be tooled shortly after application before skin forms to ensure good contact with joint substrates. Uncured sealant can be cleaned up with mineral spirits. Use approved backing material for joints over **10mm deep**.

LIMITATION

Hind Sealant PU 100 should not be:

Used for areas subject to continuous chlorinated water immersion, such as swimming pools, spas etc.

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Constantly immersed in salt water.

Used for PE, PP, Teflon, Neoprene and bituminous surfaces.

Used for glazing applications.

Painted with alkyd resin paint because it will inhibit the curing of the paint.

Used in trafficable joints greater than 10mm width

PROPERTIES

Curing system	Moisture curing. Approx
Color	White / Grey
Density	1.60 - 1.65 g/ml
Skin over time	15 - 25 minutes
Curing time @23°C / 50 % RH	2-3mm/24 hour
Tensile strength	> 1.2 MPa Approx..
Elongation at break (ASTM D412)	> 500 % Approx.
Shore A hardness (ASTM C 661)	25 - 35
VOC content	< 3%
Application temperature	5°C to 40°C
Service temperature	-30°C to 100°C
MAF	25 - 30 %

Painting

Hind Sealant PU 100 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.

Paint Type & Suitability

Water based emulsion paint	: OK
Water based primer sealer	: OK (If over coating with other paints check suitability)
Water based undercoat	: OK
Water based top coat	: OK
Alkyd resin based paint	: Use water based undercoat first
Traditional solvent	: Use water based undercoat first
Traditional oil based paint	: Use water based undercoat first
Traditional exterior	: Use water based gloss paint undercoat first
Cellulose based auto paint	: OK
P U based auto paint	: OK

COVERAGE:

The coverage below is the approximate linear meter coverage per pack size (600ml):

Joint Size	6mm X 6mm	10mm X 10mm	20mm X 10 mm
Estimated Length	17.2 meter	6.8 meter	3.5 meter

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Formula: $(W \times D \times L) \div 1000 = \text{liter}$, where W = Width (mm) D = Depth (mm) L = Length (meter)

SHELF LIFE

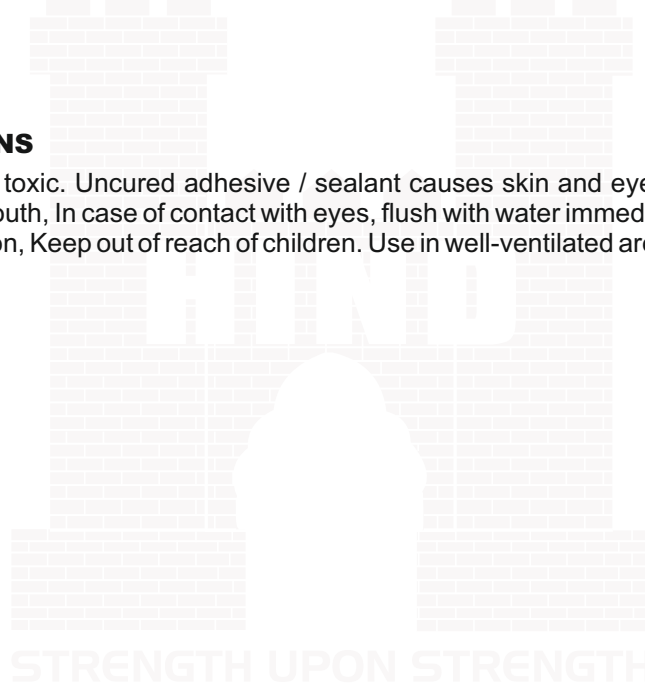
Best before 12 months from the date of manufacture in unopened condition. Keep in cool and dry place away from direct sunlight below 30°C.

PACKING

Hind Sealant PU 100 is supplied in **600ml Aluminum foil Sausage** packed in boxes of **20 Sausages**.

HANDLING PRECAUTIONS

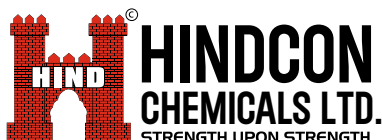
Hind Sealant PU 100 is non toxic. Uncured adhesive / sealant causes skin and eyes irritation upon contact, avoid contact with eyes, skin and mouth, In case of contact with eyes, flush with water immediately for **15 minutes**. If irritation persists, seek medical attention, Keep out of reach of children. Use in well-ventilated areas.



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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