

# HIND SILICONE SEALANT WP 800

SINGLE COMPONENT WEATHER PROOF SILICONE SEALANT



## DESCRIPTION

**Hind Silicone Sealant WP 800** is a one-part neutral cure, RTV, construction grade sealant that easily extrudes in any weather. It cures quickly at room temperature by reaction with moisture in the air to form a durable, flexible weather silicone seal.

## USES

**Hind Silicone Sealant WP 800** has medium modulus characteristics and excellent unprimed adhesion to most construction materials like ACP, Glass, Aluminum, Wood & Ceramic etc. This premium performance weather sealing product is specifically designed for general glazing and weather sealing in curtain wall and building facades.

## ADVANTAGES

- Neutral cure - Suitable for use on masonry substrates and will not corrode most building components.
- Good weather ability - It is virtually unaffected by sunlight, rain, snow, ozone or temperature extremes.
- Medium modulus - With expansion compression capability up to  $\pm 25\%$  of original joint width.
- Permanently elastic after curing which stays elastomeric from  $-30^{\circ}\text{C}$  to  $220^{\circ}\text{C}$  without hardening, cracking or becoming brittle under normal weather conditions.

## APPLICATION

### Substrate Treatment & Application

Clean all joints removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants or glazing compounds and protective coatings.

Install backing material or joint filler, setting blocks, spacer shims and tapes. Areas adjacent to joints may be masked to ensure neat sealants lines. To confirm optimum adhesion on either a porous or non-porous surface, adhesion testing should always be carried out prior to the commencement of any project. Apply **Hind Silicone Sealant WP 800** weather proofing sealant in a continuous operation using a positive pressure. Tool the sealant with light pressure to spread the sealant against backing material and the joint surfaces before a skin forms. The applied sealant should be tooled within 15 minutes or before a cured skin forms. Remove masking tape as soon as the bead is tooled.

## PROPERTIES

At Uncured State of the Product	
Color	White, Black, Grey & Clear
Base	Silicone
Density	$1.36 \pm 0.02$ gm/ml
Flow (Sag or Slump)	Non-Sag – Thixotropic Smooth Paste
Skin Formation Time at $22^{\circ}\text{C}$ , 50% Relative Humidity	10-30 minutes
Curing Rate at $22^{\circ}\text{C}$ , 50% Relative Humidity	3mm/24 hours
At Cured state of the Product	
Tensile Strength at Break ( $\text{N/mm}^2$ )	1.2-1.5
Elongation (%)	>450
Durometer Hardness-Shore A (points)	25-35
Maximum allowed Distortion	25%
Service Temperature	$-50^{\circ}\text{C}$ to $220^{\circ}\text{C}$

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## LIMITATIONS

- Not suitable as adhesive for structural glazing applications.
- Do not use on natural stones like marble, granite (staining).
- A total absence of UV can cause a color change in the sealant.
- In an acid environment or in a dark room, white silicone can slightly turn yellow.
- Under the influence of sunlight, it will turn back to its initial colour.
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched by this solution. Therefore, we recommend to dip only the finishing tool in this solution and then tool.
- We strongly recommend not to apply the product in full sunlight as it will cure very fast.
- Do not use polycarbonate.

## STORAGE & SHELF LIFE

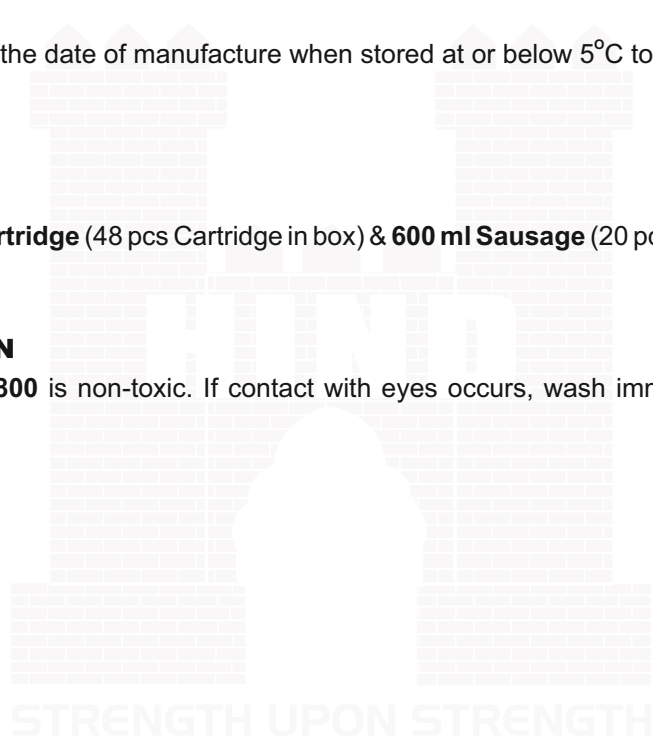
Best before **12 months** from the date of manufacture when stored at or below 5°C to 30°C in the original unopened cartridge/sausage.

## PACKING

Available in **290 ml plastic cartridge** (48 pcs Cartridge in box) & **600 ml Sausage** (20 pcs sausage in a box)

## HANDLING PRECAUTION

**Hind Silicone Sealant WP 800** is non-toxic. If contact with eyes occurs, wash immediately with water and seek medical advice.



## 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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