



## HIND SILICONE SEALANT

### PRODUCT DATA SHEET

#### SINGLE COMPONENT SILICONE SEALANT

##### DESCRIPTION

**Hind Silicone Sealant** is a single component neutral cure silicone sealant which vulcanizes on exposure to moisture in the air at room temperature, to produce a flexible low modulus elastomeric sealant. It is a cost effective multipurpose neutral sealant offering long term durability in a range of general sealing, general glazing, and Professional Trade Applications. It has excellent adhesion to most common building materials like Glass, Glazed surface, painted wood, Aluminum and other metals, masonry, concrete, GRP, u-PVC, and some plastics. **Hind Silicone Sealant** is non-corrosive hence suitable for application where bare metals are used. Due to its non-sag, non-flow characteristics it is very much suitable for overhead and side wall joint sealing.

##### USES

**Hind Silicone Sealant** is used as an effective sealing compound in construction, glazing, rail coach building, sealing of bus body joints, manufacturing of smaller and bigger aquarium and a wide range of industrial and institutional applications.

##### ADVANTAGES

- Easy to use Single Component type. No surface pre-treatment or primer required, however for optimum adhesion to some substrates primer can be used based on testing conducted by the end user
- Cost Saving and Efficient.
- Ready for Application.
- Attractive Appearance.
- Non-Toxic, Non-Flammable
- Excellent adhesion to many surfaces including Glass, Ceramics, Aluminum, Masonry, Concrete, porous, materials like marble Granite, Plastic like ABS, PC etc.
- Anti-Fungus grade, suitable for interior and Exterior and sanitary applications.
- High UV and Ozone resistance
- Cures at Room Temperature at ambient humidity conditions

##### APPLICATION

###### Substrate Treatment & Application

The surfaces before application should be clean, dry and free from all loose material, dirt, rust, oil, grease and other contaminants. For application on glass surface, it may be cleaned with soap water or any other solvent After suitable joint preparation and masking, attach the nozzle to cartridge, cut to required dimension and the sealant is gunned into gap continuously and tooled within 5 minutes.

## PROPERTIES

Color	White & Black
Consistency	Non-Slump Paste
Specific Gravity	< 1
Cross Linking System	Oxime Cure
Viscosity Flow	Non- Sagging Paste
Skin forming Time	7 to 9 minutes
Tack free Time	13 to 15 minutes
Tooling Time	13 minutes
Tensile Strength	1 Kg/cm <sup>2</sup>
Depth Cure Rate (mm/Day)	2.4
Elongation (%)	>550
Hardness-Shore A	20
Young Modulus	0.22
Application Temperature Range Approx.	- 20°C to 200°C
Elastic Recovery, %	>70
Tear Strength ASTM D 624, Form B	5 N/mm <sup>2</sup>
Shrinkage DIN 53504 S3A	20%
Movement Capability ASTM C719	± 20%

## STORAGE & SHELF LIFE

Best before 12 months from the date of manufacture in unopened condition. **Hind Silicone Sealant** cures by reaction with moisture in air, keep the container tightly sealed when not in use. A plug of used material may form in the tip of a tube or cartridge during storage. This is easily removed and does not affect the remaining contents if used within 24 Hours. However, storing used one for a long time may make the product unsuitable. Should be kept in a cool and dry place away from direct sunlight below 25<sup>o</sup> C .

## PACKING

275ml & 300 ml plastic cartridge

## LIMITATIONS

- Do not use for structural glazing.
- Not recommended for expansion joints where high movement is expected.
- Not recommended for use in below-ground joints or trafficable joints where abrasion and physical abuse are encountered.
- Cannot be painted, as paint will not adhere to sealant.
- Not recommended for use on polycarbonate plastic sheeting, suitability for use on other types of plastic should be tested prior to application. Sealant cures by contact with moisture vapor in the air. Not recommended for use in closed or confined areas where sealant cure may be inhibited by lack of air.
- Do not use in the manufacture of insulated glass (IG) units.

## HANDLING PRECAUTION

**Hind Silicone Sealant** is non-toxic non-flammable and inhalation of vapors to be avoided. If contact with eyes occurs, wash immediately with water and seek medical advice.

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### 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)

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