



## FEVISEAL WEATHERPROOF PRO

### WEATHERPROOF SILICONE SEALANT

FEVISEAL WEATHERPROOF PRO is a one-part, medium modulus, neutral curing silicone sealant for use in new or remedial weatherproofing applications. In addition to the unique features of silicone rubber such as superior high and low temperatures resistance, water resistance, and outstanding weatherability, Feviseal weatherproof Pro also provides excellent adhesion to glass, metal and numerous construction materials.

#### Typical Applications

- Ideal for sealing glass, aluminium, non-oily wood, brick, concrete, steel, ceramic, selected plastics, etc.
- Sealing of aluminium/glass window frame joints, fixing glass into aluminium frames in lieu of rubber beading.
- Highly recommended for expansion joints, metal curtain walls and modular component applications; General glazing and perimeter sealing including weatherproof sealing around vinyl, metal or wood windows and siding in residential construction.

#### Features

- **Ready to Use** - No mixing is required, directly applicable through cartridge
- **Sagging** - It is completely non-sagging in nature.
- **Flexibility** - Tough & flexible after curing, so performs well during expansion & contraction.
- **Curing** - Cures by moisture absorption from air at ambient temperature & relative humidity.
- **Service Temperature** - Cured sealant stays elastomeric from -40°C to +150°C
- **UV Resistant** - Good UV resistance & insulation properties.
- **Self-Priming** - Primeless adhesion to most porous and non-porous building material
- Compliant with ISO11600 - F - 20HM

#### Packaging

- 280 ml plastic cartridge with separate nozzle. Available in White, Clear & Black

#### Method of Application

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##### 1. SURFACE PREPARATION

- The surface should be made clean, dry and degreased before applying FEVISEAL WEATHERPROOF PRO.

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##### 2. MASKING TAPE

- Fix the masking tape on both sides of joint leaving exact gap for filling. This will make joint look good and uniform.

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##### 3. APPLICATIONS

- It is supplied in ready to use plastic cartridges. Cut nozzle at an angle to desired bead size. Cut the tip of cartridge and fix the nozzle. Load the cartridge into the sealant gun.

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##### 4. FINISHING

- Fill the joint with FEVISEAL WEATHERPROOF PRO.
- Immediately after filling the joint, the sealant should be tooled either with pallet knife or similar tool of required size.
- Tooling is essential to remove air bubbles if any and to fill up all voids by the compacting action.
- This results in proper adhesion to the sides of the joint. It also gives better aesthetic surface.



- Remove masking tape once the sealant is in touch dry condition

5. CURING

- Allow sealant to cure for 7 days minimum at above 50% RH.

**Precautions & Limitations**

FEVISEAL weatherproof Silicone sealant is not recommended:

- For continuous water immersion applications.
- For use in below-ground joints or trafficable joints where abrasion and physical abuse are encountered.
- When painting of the cured sealant is desired.
- For use in food contact applications
- For use as a structural sealant in structural glazing application
- On wet, damp, frozen or contaminated surfaces.
- When the surface temperature exceeds 50 °C.

**Technical Information - Typical Values**

Physical Property	Test Standard	Clear	White	Black
Physical appearance	Visual	Thixotropic paste	Thixotropic paste	Thixotropic paste
Skin formation time (min)@ 25 ± 1°C, 50+/- 5% RH		5 - 20	10 - 20	10 - 20
Tack free time (min) @ 25 ± 1°C, 50+/- 5% RH	ASTM C 679	<40	<40	<40
Sag/Slump (Vertical), mm	ASTM D 2202	< 2 mm	< 2mm	< 2mm
Full cure time @ 25 ± 1°C, 50+/- 5% RH		7 - 14 days	7-14 days	7 - 14 days
<i>Properties of Material after 7 days curing @ 25 ± 1°C, 50+/- 5% RH</i>				
Durometer Hardness Shore A	ASTM C 661	22	30	30
Tensile Strength (N/mm <sup>2</sup> )	ASTM D 412	≥0.8	1.5	1.5
Elongation @ break %	ASTM D 412	800%	900%	900%
Tear Strength N/mm (Die C)	ASTM D 624	4	7	7

*Typical values are average data and are not to be used as or to develop specifications.*

**Theoretical Coverage**

One 280 ml cartridge

Will cover 6 mm width x 6 mm depth joint = 7.7 linear metre

10 mm width x 10 mm depth joint = 2.8 linear metre.



### **Shelf Life**

Shelf life is 12 months from the date of manufacturing. The material should be stored in cool and dry place.

### **Health and Safety**

Refer product label and Material Safety Data Sheet (MSDS) for safety information.

### **Other Product Categories available**

Feviseal brings you the widest range of Sealants



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**DISCLAIMER** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.