NEUTRAL PRO

NEUTRAL SILICONE SEALANT

FEVISEAL NEUTRAL PRO a one part Neutral Cure Silicone Sealant is a non-slump, moisture-curing RTV (room temperature vulcanizing) that cures to form a tough, low modulus rubber for long-term flexibility and durability. The neutral curing mechanism is ideally suited for use in confined work areas since no objectionable odours are evolved.

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.

Features

- Ready to use - No mixing is required, directly applicable through cartridge.
- Solvents free – No solvent hence safe to use.
- 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 – From 40^{0}C to 150^{0}C.
- UV resistant - Good UV resistance & insulation properties.
- Self priming - No primer is required when sealing joints in glass, ceramics and vitreous surfaces.
- Anti fungal.

Packaging

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

Method of Application

SURFACE PREPARATION

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

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.

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.

4 FINISHING

- Fill the joint with FEVISEAL NEUTRAL 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

- Do not use for structural glazing.
- Not recommended for continuous water immersion applications.
- Not recommended for use in below-ground joints or trafficable joints where abrasion and physical abuse are encountered.
- Not recommended for use in the construction or sealing of aquariums.
- Cannot be painted.
- Do not use for filling gaps on masonry & cementitious surfaces.
- Not for application requiring architectural sealant.

Technical Information

Physical Property	Test Standard	Clear	White	Black
Colour	Visual	Clarity to mutch standard sample	White matching standard sample	Black matching standard sample
Physical appearance	Visual	Thick uniform thixotropic paste free from bubbles	Thick uniform thixotropic paste free from bubbles	Thick uniform thixotropic paste free from bubbles
Cure Type		Neutral	Neutral	Neutral
Specific gravity (g/mL) for uncured paste sample	ASTM D1475-13	1.0 ± 0.05	1.3 ± 0.05	1.3 ± 0.05
Skin formation time (Min) @ 25 +/- 10c, 50+/- 5% RH		5 - 20	5 - 20	5 - 20
Tack free time (min), @ 25+10C, 50 + 5% RH	ASTM C 679	< 30	< 30	< 30
Solids % (150°C for 2h)		> 75	> 85	> 85
Sag / Slump (Vertical), mm	ASTM D 2202	Max 2	Max 2	Max 2
Extrusion rate, minimum gms/s	ASTM C 1183, Procedure-B	2 gm/s (Min)	2 gm/s (Min)	2 gm/s (Min)
Curing rate, mm/24hr @ 25 + 10C, 10C, 50+5% RH (minimum)		1 mm/ 24 hr	1 mm/ 24 hr	1 mm/ 24 hr
Properties of materials after 7 days curing at RT @ 25+/- 10C and 50 +/-1 % Rh				
Durometer hardness (Shore A)	ASTM C 661	15 - 30	25 - 45	25 - 45
Tensile Strength, (N/mm^2)	ASTM D 412	> 0.8	> 10	> 10
Elongation at break %	ASTM D 412	≥ 300	≥ 300	≥ 300
Modulus at 100% Elongation (N/mm^2)	ASTM D 412	< 0.4	0.4 - 0.6	0.4 - 0.6
Tear Strength, (N/mm)	ASTM D 624	≥ 3	≥ 4	≥ 4

Theoretical Coverage

One 280 ml; cartridges
Will cover 5 mm width x 5 mm depth joint = 11.2 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

- Avoid application on damp and moist substrates and at temperature below 5°C.
- Other Products Categories available
- Dr. Fixit brings you the widest range of Construction Chemicals.

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