

Hexfix® TR-68™ Neutral Cure Sanitary Silicone Sealant

Product Data Sheet



Hexfix TR-68 Sanitary Sealant is a premium neutral cure silicone sealant designed to resist the growth of mould and mildew in environments of high humidity and temperature. Ideal for use in bathrooms, showers, laundries, household wet areas, tiled areas, and glazing etc.

It has excellent primer-less adhesion to many common construction materials.

Main purpose:

1. Sealing for coated glass, large flat curtain wall glass with polycarbonate, skylight roof application;
2. Sealing for hanging glass system, glass curtain wall, shop windows, aquarium;
3. Sealing for signs and boards, show cabinets.

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Features:

1. Contains a fungicide which inhibits the growth of mould and mildew on the sealant.
2. Single component neutral curing silicone sealant; will not corrode galvanized/zinc-coated steel, marble or concrete
3. Excellent weathering, ultra-violet radiation, vibration, moisture, and ozone resistance; temperature, cleaning detergents & solvents resistant.
4. Strong seal capable of withstanding joint movements of +/- 25% of original joint width
5. Applicable year round

Limitations:

1. Unsuitable for curtain wall / structural glazing applications;

2. Not recommended for joints exceeding +/-25% movement;
3. Sealant may discolour copper or brass
4. Abrasion or regular physical contact with the sealant may cause failure
5. Not recommended for use in aquariums
6. Paint will not adhere to silicone, therefore the sealant cannot be painted
7. Do not clean or treat the sealant with any material, cleaning agents or solvents, particularly during curing time. This may discolour or affect the sealant.
8. Sealant cures through by absorbing airborne moisture. Not recommended for use in locations of closed or confined spaces where curing may be restricted by a lack of airflow;
9. Unsuitable for application to frosty or moist surfaces;
10. Unsuitable for the continuous water submersion;
11. Do not apply if the substrate temperature is below 4° C or above 50° C.
12. Avoid application to any materials that emit plasticizer or solvents that affect curing, adhesion or colour of the sealant (eg bitumen based coatings and adhesives)
13. Should not be use as a fireproofing sealant
14. Not recommended for direct contact with mirror reflective coatings

Application:

1. Substrate surfaces must be completely clean, dry and sound. Completely remove any loose debris and/or old sealant, clean with a solvent (eg mineral turps) and dry.
2. Mask surrounding surfaces for neat/straight appearance and easy cleanup.
3. Cut tip off the cartridge nozzle at 45° angle to desired size and screw nozzle onto cartridge.
4. Apply sealant so that it completely fills the joint, wetting both sides.
5. Cures through exposure to moisture in the air, skinning in 10 minutes and touch dry in 1 hour. Cures to a firm silicone rubber (2mm thickness in 24 hours / 7mm thickness in 7 days) cure rate varies depending on ambient temperature and relative humidity.
6. Uncured silicone can be removed using a solvent soaked cloth (eg mineral turps). Any cured excess sealant can be removed by trimming with a sharp blade, avoiding undercutting the seal.

Shelf Life: 12 months after the date of production if kept sealed, and stored below 25C in a cool, dry place.

Transportation: non dangerous cargo

Standard:

20HM GB 14683-2003

Volume: 300ml

Technical data:

The following data are only for reference purpose, not intended for use in preparing specification.

Hexfix TR-68 Sanitary Silicone Sealant		
Performance	Measured Value	Testing Method
Test at 50±5% RH and temperature 23±2 ⁰ C:		
Density (g/cm ³)	1.01	GB/T 13477
Tack-Free Time (min)	12	GB/T 13477
Extrusion (ml/min)	995	GB/T 13477
Tensile Modulus (Mpa)	23 ⁰ C	0.33
	-20 ⁰ C	/
Slumpability (mm) vertical	0	GB/T 13477
Slumpability (mm) horizontal	not change shape	GB/T 13477
Curing Speed (mm/d)	5.26	/
As Cured -After 21 days at 50±5% RH and temperature 23±2 ⁰ C:		
Hardness (Shore A)	30	DIN ISO 7619-1 2012
Tensile Strength under Standard Conditions (Mpa)	0.49	ASTM D624
Elongation of Rupture (%)	165	ASTM D412
Movement Capability (%)	12.5	ASTM D624
Storage	12 months	