



Code	Description	Size	Colour
19328	Toptec Galvanised Sealant	300 ml	Grey

Description

Toptec Galvanised Sealant is a multi-purpose adhesive and sealant product with high solid content and hence more cost effective.

Characteristics

- Extremely good resistance to exterior exposure
- It will withstand a high degree of vibration and movement, due to the flexible nature of the dried adhesive film
- Strong bond is formed quickly due to the fast evaporation of solvent.
- It is not designed as a joint sealant for high movement joints.
- Being nitrile rubber based it has exceptionally high chemical and oil and solvent resistance.

Technical Data

Type:	Nitrile rubber/resin/filler mixture Solvent based
Form:	Extruded from a plastic cartridge as a high viscosity mastic paste.
Density:	Approx 1
Non-Volatile matter:	Approx 40%
Movement Capability: (Full Cure)	Approx. 5%
Water Resistance:	Excellent
Weather Resistance:	Excellent
Chemical Resistance:	Good resistance to oil, gasoline, poor ketones
Temperature Range:	-20°C to +100°C
Aging:	Excellent and better than most adhesives
Flammability:	Highly Flammable
Dry Time:*	Touch dry in minutes
Shrinkage:	Moderate due to solvent loss.
Application Temperature:	+ 5°C → + 35°C
* Dependant on porosity, temperature, humidity and bead thickness	

Application

The sealing of mitre joints in aluminium joinery where a tough, flexible sealant is required to guard against moisture penetration. It bonds to most common substrates and surfaces porous or non-porous, rough or smooth. Most of the construction material for wall, roof, and floor be it metal, timber, concrete and most plastics can be bonded and sealed.

Shelf Life

9 months if stored in cool, dry place in original condition, unopened cartridges. Store in cool, dry conditions out of direct sunlight below 30°C and away from naked flame or source of heat.

Surfaces

Preparation: Clean and dry and free from dust and loose or flaking material. A good surface preparation will ensure better adhesion. A wipe with Toptec Powder Coat Cleaner or Toptec Express Cleaner is recommended.

Application

Method: Cut cartridge nozzle to the correct size and apply the adhesive with caulking gun with even hand pressure. When bonding two non porous surfaces it is best to apply the product to each surface and allow these to dry for about 5-10 minutes before pressing the two surfaces into contact. Toptec Galvanised Sealant gains its strength by losing solvent therefore two completely impervious surfaces will have a slow strength build-up. Toptec Galvanised Sealant will be touch dry within a few minutes, however it may take longer to completely dry through depending on porosity, thickness of adhesive applied.

Application temperature: Above 5°C and below 35°C

Application Limitations

- Toptec Galvanised Sealant will bridge up to 5mm (due to solids content) but is only capable of 5% movement.
- Toptec Galvanised Sealant is not designed as a “Flexible Sealant”. If you require a flexible sealant then you should consider the Toptec Industrial Silicone or the Toptec MS Sealant.
- Toptec Galvanised Sealant must not be applied to frost-bearing surfaces or if temperature will be below freezing
- The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance

Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Pre-testing for adhesion is intended to eliminate potential field problems. This testing will aid in determining the proper surface preparation method.
- Clean with Toptec Powder Coat Cleaner.
- For more detailed information, please refer to the SDS.

Remark

The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

If any clarification is required, please contact 0800 TOPTEC or email sales@toptec.co.nz

Last Updated: 6 November 2017