



Code	Description	Size	Colour
19313	Toptec Cleanroom Silicone	310ml	Titania
20187	Toptec Cleanroom Silicone	600ml	Titania

### Description

Toptec Cleanroom Silicone is a high-quality, neutral, elastic one-component silicone based joint sealant.  
[ Formally labelled Bison CR]

### Characteristics

- Long open time.
- Excellent moisture and mould resistance.
- Very easy to apply
- Colourfast and UV resistant
- Permanent elastic after curing
- Very good adhesion on many materials
- Low modulus
- Corrosion free

### Technical Data

<i>Base:</i>	Polysiloxane
<i>Colour:</i>	Titania
<i>Consistency:</i>	Stable paste
<i>Curing System:</i>	Moisture Cure
<i>Skin Formation (20 °C/65% R.H.):</i>	Ca. 9 min
<i>Curing Rate (20 °C/65% R.H.):</i>	Ca. 2 mm/24h
<i>Hardness</i>	25 ± 5 Shore A
<i>Density</i>	Ca. 1,03 g/ml (transp, brilliant white) Ca. 1,25 g/ml (colours)
<i>Elastic recovery (ISO 7389)</i>	> 80 %
<i>Maximum allowed distortion</i>	25 %
<i>Temperature resistance</i>	-60 °C → 180 °C
<i>Max. tension (DIN 53504)</i>	1,40 N/mm <sup>2</sup>
<i>Elasticity modulus 100% (DIN 53504)</i>	0,39 N/mm <sup>2</sup>
<i>Elongation at break (DIN 53504)</i>	700 %
<i>Application temperature</i>	5 °C → 35 °C

\* This varies according to ambient conditions such as temperature, humidity, substrate etc

## Applications

---

- Joints in sanitary rooms (on synthetic baths and tubs) and kitchens.
- Top sealing in glazing.
- Sealing in refrigerators and container construction.
- Sealing in air-conditioning systems.

## Shelf Life

---

18 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

## Joint Size

---

<i>Min. width for joints:</i>	<i>5 mm</i>
<i>Max. width for joints:</i>	<i>30 mm</i>
<i>Min. depth for joints:</i>	<i>5 mm</i>

*Recommendation sealing jobs: joint width = 2x joint depth.*

## Application

---

<i>Substrates:</i>	all usual building substrates, ceramic tiles, enamel, stainless steel, acrylic baths, glass
<i>Nature:</i>	clean, dry, free of dust and grease.
<i>Surface preparation:</i>	Porous surfaces in water loaded applications should be primed with Primer 150. No primer needed for non-porous substrates. There is no adhesion on PE, PP, PTFE (Teflon®), silicones and bituminous substrates.
<i>Cleaning:</i>	Clean with Gorilla Solvent Cleaner, Toptec Express Cleaner or Surface Cleaner immediately after use.

*Toptec recommends preliminary compatibility tests prior to application.*

### Remarks:

- Do not use on natural stones like marble, granite (staining).
- Direct contact with the primary sealing of double glazing units (insulation) and the PVB-film of safety glass must be avoided.
- Do not use on polycarbonate.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remaining will stimulate the development of fungi.

### Testing & Approvals:

- *Agriquality approved*
- *Tested according to FDA regulations code CFR 21 § 177.2600 (e) and (f)*

### Tests and Certifications:

- **Agri Quality NZ Approved**
- *IKI (Institut für Krankenhaushygiene, Giessen, Germany) approvals for Desinfection and barrier against microorganisms (on Trespa Meteon panels)*
- **FDA CODE 177.2600 (e) and (f)** test by IANESCO (France), rapport 10228, dated 31 October 2002.
- **BRANZ Appraisal No. 844 (2014)**

## Health and Safety Recommendation

---

- Apply the usual industrial hygiene.
- Take the usual labour hygiene into account. Consult the packaging label for more information.

### **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](mailto:sales@toptec.co.nz)**

**Last Updated:** 10 September 2015