

Code	Description	Size	Colour
19955	Gorilla Cleanroom Silicone	600ml	Titania

1. Description

Gorilla Cleanroom Silicone is a high quality, neutral, elastic one-component silicone based joint sealant.

2. Characteristics

- Long open time.
- Excellent moisture and mould resistance.
- Impervious to mould, contains ZnP (biocide with fungicidal action)
- Very easy to apply
- Colourfast and UV resistant
- Permanent elastic after curing
- Low modulus
- Corrosion free
- Primerless adhesion on many substrates that are not subject to immersion, water pressure or high stress movement capabilities

3. Technical Data

Base:	Polysiloxane
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin formation* (20°C / 65% R.H.):	Ca. 9 min
Curing speed * (20°C / 65% R.H.):	Ca. 2 mm/24h
Hardness:	25 ± 5 Shore A
Density:	Ca. 1,25 g/ml
Elastic recovery (ISO 7389):	> 80 %
Maximum allowed distortion:	25 %
Temperature resistance:	-60 °C → 180 °C
Max. tension (DIN 53504):	1,40 N/mm ²
Elasticity modulus 100% (DIN 53504):	0,39 N/mm ²
Elongation at break (DIN 53504):	700 %
Application temperature:	5 °C → 35 °C
VOC:	<2% (<30g/litre)

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

4. 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. All other usual PU Foam applications
- Sealing of insulated coolstore panels

5. Packaging

600 ml sausage (net content)

6. Shelf Life

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

7. Application Instructions

Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with Gorilla Solvent Cleaner
Finishing: With a soapy solution before skinning.
Repair: With the same material

Substrates

Substrates: All usual building substrates, ceramic tiles, enamel, stainless steel, acrylic baths, glass
Nature: Clean, dry, free of dust and grease.
Surface preparation: Porous substrates; surfaces such as lightweight aerated concrete, masonry plasters, bricks and other surfaces regarded as very porous should be primed with Gorilla Primer 150 or Primer 100 with PU based sealants. Non Porous substrates; due to the wide range of materials, coatings and surface finishes we recommend to test to verify adhesion to determine the correct adhesion promoter. Preparing the surface with Gorilla 696 Surface Activator will maximise adhesion.

There is no adhesion on PE, PP, PTFE (Teflon®), silicones and bituminous substrates.

Soudal Ltd recommends a preliminary compatibility test to ensure that the user is satisfied with the result given.

Joint dimensions

Min. width for joints: 5 mm
Max. width for joints: 30 mm
Min. depth for joints: 5 mm
Recommendation sealing jobs: joint width = 2x joint depth.

Warning

- 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.
- Primers are not a substitute for incorrect surface preparation but will improve the long term performance of the sealant if applied correctly in accordance with the technical data.
 - It is the users responsibility to ensure that the adhesion of the cured sealant, on typical test joints on site before and during application, is sufficient to satisfy themselves that adequate adhesion is obtained.

8. Maintenance and Inspection of Weather-Tightness Sealant Joints

Applies to the following joint types:

- Linear joints
- Penetration seals

Inspection

Holdfast recommends that the first inspection of joints is done 6 months following application, followed by an annual inspection. Normally this inspection is combined with the inspection of the painting. The most effective is to judge the joints during a colder season as building materials shrink the most under low temperatures, resulting in the widest joints. This period is best to judge if the sealants are still able to cope with the pressure, and if detachments appear.

During inspection specifically pay attention to:

Detachments in facades of buildings can result into leakage. When leakage is noticed but the exact cause and location is unclear, the exact spot should be found by testing. We have two methods for this test:

- Test with a (garden) hose. With a hose the facade can be sprayed. While doing this we work downward towards above, while the inside is checked on water entering the building. When no leakage is found this way, the possibility exists the leakage will only appear when rain and wind pressure are combined at the same moment. Wind pressure causes over pressure on the outside while under pressure on the inside appears. This can cause water to be sucked inside through very small openings. With higher building the water can be pushed up and find its way into buildings.
- Test with a smoke pipe. With a smoke pipe possible leakages can be identified more easily, especially when wind pressure occurs.

9. Health and Safety Recommendation

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 Soudal Technical Services or email sales@soudal.co.nz.

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