



Code	Description	Size	Colour
19305	Gorilla Plumbers Silicone	300ml	Clear
19306	Gorilla Plumbers Silicone	300ml	White
20188	Gorilla Plumbers Silicone	600ml	Clear

Code	Description	Size	Colour
19307	Gorilla Plumbers Silicone	300ml	Black
19308	Gorilla Plumbers Silicone	300ml	Grey

1. Description

Gorilla Plumbers Silicone is fast curing neutral cure, fully elastic one-component joint sealant based on silicones which meets ISO 11600 F+G 25LM.

2. Characteristics

- Very easy application
- Permanent colour, good UV-resistance
- Fast skin formation
- Stays elastic after curing
- Very good adhesion on many materials
- Low modulus
- Excellent levels of Ingress Protection

3. Technical Data

Base:	Polysiloxane
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin formation* (20°C / 65% R.H.):	Ca. 7 min
Curing speed* (20°C / 65% R.H.):	2 mm/24h
Hardness:	22 ± 5 Shore A
Specific Gravity (DIN 53479):	Ca. 1,00 g/mL clear, white (Ca. 1,25 g/ml colours)
Temperature resistance:	-60 °C → +150 °C
Elastic recovery (ISO 7389):	> 80 %
Maximum allowed distortion:	±25 %
Elasticity modulus 100% (DIN 53504):	0,37 N/mm ²
Max. tension (DIN 53504):	1,30 N/mm ²
Elongation at break (DIN 53504):	800 %
VOC	22g/l*

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

4. Applications

- Building- and construction joints (high movement)
- Top sealing for glazing jobs
- Sealing between treated wood and metal profiles.
- Sealing between PVC and glass.

5. Packaging

Cartridge 300mL
Sausage 600mL

6. Shelf Life

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

7. Application Instructions

Surfaces:

Type:	all usual building surfaces. Not on PE, PP, PTFE and bituminous substrates.
State of Surface:	clean, dry, free of dust and grease
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. 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.

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

Joint Size:

Minimum Width:	5mm
Maximum Width:	30mm
Minimum Depth:	5mm
Recommendation:	2 x depth = width

Application:

Method:	Caulking gun
Application temperature:	+5°C to +35°C
Clean:	with white spirit immediately after use
Finish:	with soapy water before skinning
Repair:	with Gorilla Plumbers Silicone

Application Limitations

Do not use Gorilla Plumbers Silicone on natural stones like or similar to marble, granite, sandstones, limestones due to potential for staining.

Due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.

Gorilla Plumbers Silicone can be applied to a wide variety of substrates. Due to the fact that specific substrates such as metals, plastics, polycarbonate, etc may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.

Gorilla Plumbers Silicone can be used for the sealing between a "mitre joint" it is not designed as a covering for a "mitre connection" to provide the waterproofing of that "mitre connection".

Not suitable for continuous underwater.

While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion the use of Gorilla 696 Surface Activator is recommended.

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

Direct contact with the secondary sealing of insulation glass units (IGU's) and the PVB-film of safety or laminated glass must be avoided.

A total absence of UV can cause a colour change in the sealant. In an acid environment or in a dark room, white silicone can slightly turn yellow, under the influence of sunlight it will turn back to its original colour.

Holdfast recommends preliminary compatibility tests on surfaces on which Gorilla Plumbers Silicone has not been applied previously.

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.

For further details on Maintenance & Inspection of Weather-Tightness Joints please refer to www.holdfast.co.nz

9. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Consult the 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 Holdfast Technical Services or email sales@holdfast.co.nz.

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