BRANZ Appraised
Appraisal No.844 [2013]

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

Code	Description	Size	Colour
19307	Gorilla Plumbers & Roofing Silicone Sealant	300ml	Black
19308	Gorilla Plumbers & Roofing Silicone Sealant	300ml	Grey
19309	Gorilla Plumbers & Roofing Silicone Sealant	300ml	Bronze

1. Description

Gorilla Plumbers & Roofing Silicone Sealant 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, UV-resistant
- Fast skin forming
- Stays elastic after curing
- Very good adhesion on many materials
- Low modulus

3. Technical Data

Base:	Polysiloxane
Consistency:	Paste
Curing System:	Moisture Cure
Skin formation* (20°C / 65% R.H.):	Ca. 10 min
Curing speed * (20°C / 65% R.H.):	2 mm/24h
Hardness:	22 ± 5 Shore A
Specific Gravity (DIN 53479):	1,03 g/mL
Temperature resistance:	-60 °C → +180 °C
Elastic recovery (ISO 7389):	> 90 %
Maximum allowed distortion:	±25 %
Elasticity modulus 100% (DIN 53504):	0,33 N/mm^2
Max. tension (DIN 53504):	1,10 N/mm^2
Elongation at break (DIN 53504):	600 %
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
- Topsealing at glazing jobs
- Sealings between treated wood and glass
- Sealings 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:	apply Primer 150 on porous surfaces in water loaded applications – no primer required for non porous surfaces. Surface

Activator should be used to enhance adhesion to non porous surfaces.

Holdfast recommends preliminary compatibility tests.

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 & Roofing Silicone Sealant

Remarks:
This sealant should not be used to install double glazed windows and security glass
Do not use on natural stones (marble, granite,…)
We recommend a preliminary adhesion test on PVC.

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

- 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.

Last Updated: 19 October 2015