

Code	Description	Size	Clear
19706	Gorilla Brick & Concrete Silicone	300ml	Concrete Grey

1. Description

Gorilla Brick & Concrete Silicone is a high quality, neutral, elastic one-component silicone based jointing sealant.

2. Characteristics

- Very easy to apply
- Colourfast with good UV stability.
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus
- Corrosion free
- Low odour
- Impervious to mould, contains ZnP (biocide with fungicidal action)
- Not paintable

3. Technical Data

Base:	Polysiloxane
Consistency:	Stable 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:	25 ± 5 Shore A
Density:	Ca. 1,00g/ml (transp) Ca. 1,26 g/ml (colours)
Elastic recovery (ISO 7389):	>80%
Maximum allowed distortion:	25 %
Temperature resistance:	-60°C to +150°C
Elasticity modulus 100% (DIN 53504):	Ca. 0,40 N/mm ²
Max. tension (DIN 53504):	Ca. 1,35 N/mm ²
Elongation at break (DIN 53504):	>500 %
Application temperature:	5°C to +35°C
VOC Content	< 100 g/lit

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

4. Applications

- Sealing between brick, concrete and tile structures.
- To seal horizontal and vertical joints in wall and roof connections
- Connection and expansion joints at roof works
- Repairing and renovation of roofs and gutter systems

5. Packaging

Cartridge 300ml

6. Shelf Life

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

7. Building Product Information

Manufactured By Soudal NV
Distributed By Soudal Ltd

Relevant Building Code Clauses

- Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years and B2.3.1 (c) 5 years
- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2.
- Clause E3 INTERNAL MOISTURE: Performance E3.3.3, E3.3.4, E3.3.5 and E3.3.6.
- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

Contribution to compliance With NZBC

Performance B2.3.1 (b) 15 years and (c) 5 years: This product achieves these durability requirements and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Soudal product technical documents. Soudal maintains production & management systems in accordance within its ISO9001:2015 Quality Management System.

Performance E2.3.2: In accordance with E2/AS1. This product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification. soudal.co.nz. When used to seal flexible joints, as part of a roofing or wall cladding system, or around external openings, such as windows and doors, the product contributes to meeting the E2.3.2 weather-tightness requirements.

Performance E3: The product can be used to form impervious joints between sheet lining materials and also a joint between fixtures and lining materials in accordance with NZBC Acceptable Solution E3/AS1.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Soudal's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Soudal Product Technical Data Sheet and product Safety Data Sheet soudal.co.nz for further information if required.

8. Application Instructions

Surfaces:

Type: All usual building substrates including concrete, brick, and ceramic tiles, aluminium, wood, stall ST1403, plastics,
Not: suitable for Copper & Brass based metals

State of Surface: Ensure surface is clean, dry, free of dust and grease.

Preparation: The use of Gorilla Primer 150 on porous surfaces and Gorilla 696 Surface Activator on non-porous surfaces is recommended to improve the adhesion of Gorilla Brick & Concrete Silicone.

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

Joint Dimensions:	Expansion Joints
Min. Width for Joints: 5 mm	Min. Width for Joints: 5-10 mm
Max.Width for Joints: 30 mm	Max. Width for Joints:10-30 mm
Min Depth for Joints: 5 mm	Min Depth for Joints: ½ the Joint Width
	Shear Joints Min Depth: 5 mm

Application:

Method: Caulking gun
Application temperature: +5°C to +35°C
Clean: Gorilla Solvent Cleaner immediately after use
Finish: With soapy water before skinning
Repair: Gorilla Brick & Concrete Silicone

Application Limitations

- Do not use Gorilla Brick & Concrete 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 Brick & Concrete 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 Brick & Concrete Silicone is not recommended for Copper and Brass based metals.
- There is no adhesion on PE, PP, PTFE (Teflon) and bituminous substrates.
- Not suitable for the bonding of mirrors.
- Not suitable for continuous underwater use or for use in aquariums.
- 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.
- Direct contact with the secondary sealing of insulation glass units (IGU's) and the PVB-film of safety or laminated glass must be avoided.
- The mould resistance formula should not replace regular cleaning of the joint. Excessive contamination, deposits of organic debris will stimulate the development of fungal and bacteria growth.

Soudal recommends preliminary compatibility tests on surfaces on which Gorilla Brick & Concrete Silicone has not been applied previously.

9. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Consult the label for more information.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.***

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