

Code	Description	Size	Colour
20140	Gorilla High Temp Silicone	310ml	Black

## 1. Description

Gorilla High Temp Silicone is elastic, single component engineering sealant based on silicone which withstands very high temperatures.

## 2. Characteristics

- Excellent resistance to fuels, oils and grease
- High temperature resistance up to 280°C
- Very easy to apply
- Permanent elastic after curing
- Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis

## 3. Technical Data

<b>Base:</b>	Polysiloxane
<b>Consistency:</b>	Stable paste
<b>Curing System:</b>	Moisture curing
<b>Skin Formation* (20°C/65% R.H)</b>	Ca. 5 min
<b>Curing Rate:* (20°C/65% R.H)</b>	Ca. 2mm/24h
<b>Hardness:</b>	40 ± 5 Shore A
<b>Density:</b>	1,18g/ml
<b>Elastic Recovery: (ISO 7389)</b>	>80%
<b>Maximum Allowed Distortion:</b>	± 15%
<b>Temperature Resistance:</b>	-50°C to + 280°C
<b>Max. Tension: (DIN 53504)</b>	3,00 N/mm <sup>2</sup>
<b>Elasticity Modulus 100%: (DIN 53504)</b>	1,10 N/mm <sup>2</sup>
<b>Elongation at break: (DIN 53504)</b>	± 300%
<b>Application Temperature:</b>	5°C - 35°C

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

## 4. Applications

- Formation of gasket and sealing rings
- Sealing between metal components
- Sealing of heating installations
- Sealing in Pumps & Engines

## 5. Packaging

310ml (net content) cartridge.

## 6. Shelf Life

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

## 7. Application Instructions

### Surfaces

Type: All usual building substrates, all metals  
State: 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 Gasket Seal Silicone.

### Application

Method: Manual or pneumatic caulking gun.  
Clean: Gorilla Solvent Cleaner or Holdfast 696 Surface Activator, immediately after application.  
Finish: With soapy solution before skin formation.  
Repair: Gorilla Gasket-Seal High Temp

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

### Application Limitations

- Do not use on double glazing, coated glass products,.
- There is no adhesion to PE, PP, PTFE (Teflon®) and bituminous substrates
- Because of the acid nature, certain metals (eg copper, lead) can be affected.
- Do not use on natural stones like marble, granite,...(staining). U
- A total absence of UV can cause a color change of 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 initial colour.
- Do not use in applications where continuous water immersion is possible

## 8. Health and Safety Recommendation

- Apply the usual industrial hygiene

### 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](mailto:info@soudal.co.nz).***

**Last Updated:** 31 August 2023

Supplier contact details:	Soudal Ltd	Freephone: 0800 70 10 80
	134 Kohia Drive	Phone: (07) 847 5540
	Horotiu	
	Hamilton 3288	Email: <a href="mailto:info@soudal.co.nz">info@soudal.co.nz</a>
	New Zealand	Website: <a href="http://www.soudal.co.nz">www.soudal.co.nz</a>