

HIGH TEMPERATURE SILICONE



PROPERTIES:

PRONOVA High Temperature Silicone is a heat-resistant silicone sealant with very high adhesive strength, for closing joints that are exposed to higher temperatures of up to 300 °C, in indoor and outdoor applications. Very good adhesion on glass, porcelain, ceramic tiles, enamel and aluminium. Once fully hardened, it is odourless and resistant to common household cleaning agents.

AREAS OF APPLICATION:

Ideal for heat-resistant sealing and gluing in the construction of ovens, heating systems and HVAC units. Suitable for oven or flue pipe connection joints, for sealing around ceramic hobs and for bonding oven door panels that have come loose.

PRODUCT ADVANTAGES:

- ▶ Heat resistant up to 300 °C
- ▶ For ovens, hobs, heating and air-conditioning systems
- ▶ Resistant to common household cleaning agents
- ▶ High adhesive strength
- ▶ Very good workability
- ▶ Permanently elastic
- ▶ UV and weather resistant

TECHNICAL INFORMATION:

Raw material base:	Silicone-polymer, acid curing
Shore A hardness:	Approx. 27 (±5)
Density:	Approx. 1.07 g/cm ³ (±0.03)
Temperature resistance:	-40 °C to +300 °C
Application temperature:	+5 °C to +40 °C
Curing time:	Approx. 2 to 3 mm/24 h ⁽¹⁾
Skin formation time:	Approx. 10 to 15 minutes ⁽¹⁾
Admissible total deformation:	Approx. 25 %
Permissible joint width:	5-25 mm

⁽¹⁾ Depends on the temperature and air humidity (data determined at 20 °C/60 % rh).

PREPARATION OF SUBSTRATE:

Substrates and bonding surfaces must be solid, clean and free of dust, oil and grease. Use a cutter (e.g. PRONOVA Joint Sealant Removal Tool) to carefully remove any residual silicone. In the case of problematic substrates, it is essential to pre-treat the bonding surfaces with a silicone primer (e.g. PRONOVA Joint Primer). To avoid three-sided adhesion and in the case of deep joints, fill the joints first with a PRONOVA PE backer rod. For perfect results, stick self-adhesive masking tape along the joint edges.

PROCESSING AND APPLICATION:

Cut open the cartridge above the screw thread. Cut off the end of the clip nozzle to suit the desired joint width and screw the nozzle into place. Using a standard cartridge gun, fill the joint evenly with PRONOVA High Temperature Silicone, without any gaps or cavities. Before a skin starts to form, smooth the joint using a smoothing agent (e.g. PRONOVA Joint Perfect) and a suitable tool (e.g. PRONOVA Joint Champion). Remove the masking tape immediately and smooth the joint again if necessary.

CLEANING:

Fresh residues of uncured PRONOVA High Temperature Silicone can be removed with spirit or a turpentine substitute. The same applies for cleaning the tools.

Fully cured sealant can only be removed mechanically, using a suitable cutting tool (e.g. PRONOVA Joint Sealant Removal Tool).

STORAGE:

Store in cool, dry, frost-free conditions. If stored properly in its unopened original container, PRONOVA High Temperature Silicone has a shelf life of up to 24 months. Observe the shelf life date on the cartridge.

DISPOSAL:

Only send completely empty packaging for recycling. The hardened product can be disposed of as household waste/household-type commercial waste. Observe the local regulations when disposing of waste.

IMPORTANT INFORMATION:

The sealant must have hardened completely before it is exposed to temperatures above +50 °C. Not suitable for installing glass fireplace doors. Observe the maximum temperature resistance. PRONOVA High Temperature Silicone is not a fire protection silicone! Releases acetic acid when curing. Not suitable for metals susceptible to corrosion. Bonding-resistant materials such as Teflon®, PP, PE or substrates containing bitumen or tar are not suitable as bonding surfaces. Since there is a very large number of possible applications, carry out your own tests to ensure material compatibility, if in doubt.

Before applying the product, read the safety instructions on the cartridge and the details in the safety data sheet. The safety data sheet can be found at www.pronova-dichtstoffe.de.

PACKAGING:

Package: 300 ml cartridge

Packaging: 6 pieces/box

Colour: Black

The details provided in this technical information sheet are based on intensive application tests in the laboratory and in practice and are intended as guideline values and recommendations. The guideline values do not represent any guarantee or assurance. The responsibility for using the material in each case lies with the person using it. Since there are many different materials and the working conditions lie outside our sphere of influence, we recommend that you carry out your own tests, if in doubt.

Further information is available by telephone: 00 800 / 63333782 (free of charge for landline calls from Germany, Austria, Switzerland and The Netherlands).

The publication of this technical data sheet renders all previous editions of this data sheet void.