

PRONOVA®

4 IN 1 UNIVERSAL SILICONE



PROPERTIES:

PRONOVA 4 in 1 Universal Silicone is a neutral cure (pentanoxim), highly elastic silicone sealant with long-term film protection against mildew and mould, for universal use in practically all types of application. Non-corrosive to metals. Does not cause edge zone discolouration on marble or natural stone. 10-year guarantee with regard to resistance to UV, weathering and ageing.*

AREAS OF APPLICATION:

Ideal for sealing and for corner, connection and expansion joints in building, sanitation, natural stone and installation applications, for glazing in windows and doors (both wood and plastic), and for sealing between concrete components and façade elements. For bonding and sealing mirrors. Very low emissions - suitable for sensitive indoor applications.

PRODUCT ADVANTAGES:

- ▶ Neutral cure
- ▶ Permanently elastic
- ▶ Highly resistant to UV, weathering and ageing
- ▶ Long-term protection against mildew and mould
- ▶ Compatible with natural stone
- ▶ Permanently waterproof
- ▶ Non-corrosive to metals

TECHNICAL INFORMATION:

Raw material base:	Silicone-polymer, neutral cure
Shore A hardness:	Approx. 25 (±3)
Density:	Approx. 1.02 g/cm ³ (±0.03)
Temperature resistance (after curing)	-40 °C to +180 °C
Application temperature:	+5 °C to +40 °C
Completely cured after:	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
Standards and tests:	N 15651-1: F-EXT-INT-CC EN 15651-2: G-CC EN 15651-3: XS1 GEV EMICODE® EC 1 plus, very low emissions

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

* The 10-year guarantee applies exclusively to the product characteristics of resistance to UV, weathering and ageing. The function of the product cannot be guaranteed, since this depends on whether the product was applied properly and according to the instructions. The durability of the long-term protection against mildew and mould is dependent on the ventilation conditions and the degree of exposure to moisture.

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 4 in 1 Universal 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 4 in 1 Universal 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 4 in 1 Universal Silicone has a shelf life of up to 18 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 product is not suitable for underwater applications or for building aquariums. Do not use in areas that come into direct contact with food-stuffs. 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

Colours: Transparent, White, Silver grey, Light grey, Manhattan, Sand grey, Medium grey, Grey, Anthracite, Black, Bahama beige, Bamboo, Light brown, Brown, Deep brown

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.