PRONOVA®

KITCHEN AND AQUARIUM SILICONE

PROPERTIES:

PRONOVA Kitchen and Aquarium Silicone is a food-safe, permanently elastic silicone sealant, specially designed for sensitive kitchen areas and aquarium construction. Free from fungicidal constituents. Very good adhesive properties. Once fully hardened, it is highly resistant to UV and ageing. It is also odourless and resistant to common household cleaning agents and many chemicals. Resistant to seawater and algae.

AREAS OF APPLICATION:

Ideal for expansion, connection and corner joints in areas close to foodstuffs, e.g. transitions between worktops and sinks/walls/tiles in kitchens. For the construction of freshwater and saltwater aquariums made of glass, with or without a frame, with a capacity of up to 300 litres, as well as for terrariums and plantariums.

PRODUCT ADVANTAGES:

- Food-safe
- Free from fungicidal constituents
- Permanently waterproof
- Resistant to seawater and algae
- Extra strong adhesion
- Highly extensible
- Odourless after hardening
- UV and weather resistant

TECHNICAL INFORMATION:

Raw material base:	Silicone-polymer, acid curing
Shore A hardness:	Approx. 25
Density:	Approx. 1.00 g/cm^3 (±0.04)
Temperature resistance:	-40 °C to +180 °C
Application temperature:	+5 °C to 45 °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
Standards and tests:	EN 15651-1: F-EXT-INT Lebensmittelbedarfsgegenständegesetz (German Food Commodities Act) [2]

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

[2] PRONOVA Kitchen and Aquarium Silicone can be used in areas close to foodstuffs, e.g. for sealing joints in walls and floors in food-processing facilities. Brief, direct contact with the fully hardened silicone sealant is harmless to foodstuffs, provided that the hygiene regulations are followed (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg).

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 Kitchen and Aquarium 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 Kitchen and Aquarium 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 Kitchen and Aquarium 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:

Releases acetic acid when curing Not suitable for metals susceptible to corrosion. Bonding-resistant materials such as Teflon®, PP or PE are not suitable as bonding surfaces. **AQUARIUM CONSTRUCTION**: As the PRONOVA Kitchen and Aquarium Silicone hardens, small quantities of acetic acid are released. Do not fill the aquarium until the sealant has fully hardened. Before introducing the fish, fill the aquarium completely with water and leave it to rest for about 12 hours before emptying it again. Carry out this procedure at least twice. When filling the aquarium, always let the water run in slowly so that the pressure on the glass and joints increases slowly. Protect the joints/adhesive seams from vibration and movement during the curing process. 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, Black

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