



100AQ AQUARIUM SILICONE SEALANT

Akfix 100AQ is a non-toxic, solvent-free silicone sealant for use in aquarium construction and glazing applications. It's a high-quality acetic curing system based silicone sealant featuring excellent adhesion to glass and many other non-porous surfaces.

FEATURES & BENEFITS

- 100% solventless silicone,
- Non-toxic to fish,
- Resistant to water, UV and many chemicals
- One component, cures with atmospheric moisture,
- Keeps its elasticity at low and high temperatures,
- Rapid curing,
- Very good bond and physical strength

APPLICATION AREAS

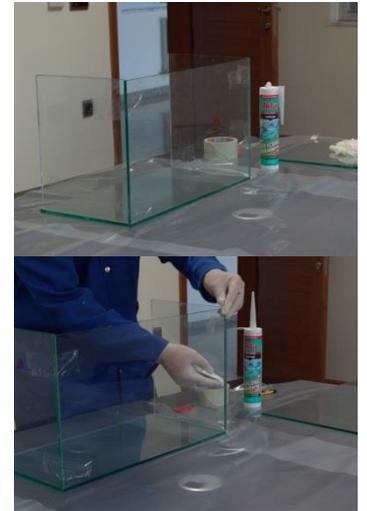
- Construction and repair of aquariums and many glass structures,
- Suitable on glass/aluminum structures,
- Glazing on aluminum frames and shop displays,.
- Sealing of windows and doors.

INSTRUCTIONS

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5 °C and +40 °C.
- After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a professional finish.
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- 6 mm. joint depth is recommended for joint widths between 6 mm to 12 mm.
- After the construction of aquarium is complete, wait for minimum of 21 days before usage.



For both
professional
aquarium
construction and
hobby works





Consumption (approx.)

Joint Width	6mm	9mm	12 mm
Joint Depth	6mm	6mm	6 mm
Efficiency /310 ml	8 meters	6 meters	4 meters

Surface Preparation

Following cleaning procedure and materials are recommended:

Glass	Degrease with alcohol or MEK
Aluminium, light alloys and stainless steel	Degrease with alcohol or MEK
Other Metals	Lightly abrade then degrease as above
Wood	Lightly abrade surface then remove dust
Plastics	Degrease using an agent recommended by plastics manufacturer

STANDARDS

Meets or exceeds the requirements of the following specifications:

- ISO 11600 F & G 20LM.
- CE marked for EN 15651 for façade, glazing and sanitary.
- The requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.

RESTRICTIONS;

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Not over paintable.
- Do not expose to water before fully cured.
- Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- Do not use to produce swimming pool joints.
- Can yellow if exposed to bleach or HCL based brick cleaners whilst curing.

STORAGE AND SHELF LIFE;

The shelf life is 18 months if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C.



SAFETY & DISPOSAL

Inhalation of the sealant vapor for a long period must be avoided. The application area must be ventilated properly. The uncured sealant must not be contacted for a long period. Cured silicone rubber bears no risk to health.temperatures between +5°C and +25°C. Check MSDS guidelines for disposal and further information concerning safety.

PROPERTIES

Basis	: Silicone Polymer
Curing System	: Acetoxy
Density	: 1.02 ± 0.03 g/ml
HardnessShore A	: 24-30 (after 28 days)
Tensile Strength	: ≤ 0,4N/mm ² (ISO 8339)
Skin formation	: 7-13 min. (23°C and 50% R.H)
Curing Rate	: Min. 3 mm/day(23°C and 50% R.H)
Elongation At Break	: ≥ 250% (ASTM D412)
Elastic Recovery	: %100 (ISO 7389)
Sagging	: 0 mm (ISO 7390)
Change in volume	: < 5% (ISO 10563)
Temperature Resistance	: -50°C to +200°C
Application Temperature	: +5°C to +40°C

PRODUCT

Product Type	Volume	Package
Transparent, Black	310ml	24

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.