



Den Braven

Aqua-Silicone

Silicone for fresh and salt water aquaria



PRODUCT DESCRIPTION

Zwaluw Aqua-Silicone is an acetoxysilicone sealant which cures by reacting to moisture to form a durable elastic rubber.

KEY BENEFITS

- Sealant and adhesive
- Non toxic for fish when fully cured
- For fresh and sea water aquaria

APPLICATIONS

Zwaluw Aqua-Silicone was specifically developed for bonding and sealing full glass constructions as aquaria, terraria and showcases. The product has excellent adhesion to glass. For selecting the glass thickness of the aquarium we refer to DIN 32622. This product is not harmful for aquatic life after curing!

DIRECTION FOR USE

A joint thickness between the sides and between the sides and the bottom, 1 to 2 mm is advised. Finish internal angles as a triangular joint of 3 to 5 mm depending on the water level. The sealant must be fully cured, curing time up to 1 week, before it can be transported or filled with water. After curing, rinse the aquarium several times with water before use. For further questions please contact our technical service.

TECHNICAL SPECIFICATIONS

100% Modulus	DIN 53504 S2	0,50 N/mm ²
Application Temperature		+5°C to +40°C
Base		Acetoxysilicone
Application Rate	@ Ø3 mm/6,3 bar	130 g/min
Curing Time	@ +23°C/50% RH	2 mm/24 hours
Density	ISO 1183-1	1.03 g/ml
Elongation At Break	DIN 53504 S2	600%
Flow	ISO 7390	< 2 mm
Frost Resistance		Up to -15°C
Joint Movement		25%
Shore A Hardness	DIN 53505	22
Skin Formation	+23°C/50% RH (DBTM 16)	5-6 minutes
Temperature Resistance		-40°C to +180°C
Tensile Strength		1.80 N/mm ²

These are typical values

LIMITATIONS

- Not suitable for aquaria larger than 1000 litres and/or higher than 60cm.
- When gluing glass to glass miniscule air bubbles may still be visible after curing.
- Please make sure that the Aqua-Silicone is fully cured (min 2 weeks) before the aquatic life starts in the intended aquatic environment.
- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.

SURFACE PREPARATIONS AND FINISHING

Application temperature: +5°C to +40°C (applies to environment and substrates). All substrates must be solid, clean, dry, and free from grease and dust. Clean substrates with Zwaluw Cleaner. Zwaluw Aqua-Silicone adheres perfectly without the use of a primer to most non porous substrates, like glass, painted wood, ceramic and enamelled. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.

PAINTABILITY

Zwaluw Aqua-Silicone is not paintable.

CLEANING

Uncured material and tools can be cleaned by using Zwaluw Cleaner. Cured material can only be removed mechanically. Hands can be cleaned with Zwaluw Wipes.

PACKAGING DESCRIPTION

- Cartridge

For product specifications, please refer to the Product Detail Page

COLOUR

Transparent

SHELF LIFE

In unopened original packaging between +5°C and +25°C, shelf life up to 24 months from production date, stored in a dry place.

CERTIFICATIONS

- A+ French VOC Regulation



HEALTH & SAFETY

Product Safety Data Sheet must be read and understood before use. These are available on request and via our websites

WARRANTY & GUARANTEE

Bostik warrants that its product complies, within its shelf life, to its specification.

DISCLAIMER

All information in this document and in all our other publications (including electronic ones) is based on our current knowledge and experience and is the exclusive (intellectual) property of Bostik. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Bostik written consent. The technical information in this document serves as an indication and is non-exhaustive. Bostik is not liable for any damage, either directly or indirectly, due to (editorial) errors, incompleteness and/or incorrectness of this document. This includes, but is not limited to, incompleteness and/or incorrectness due to technological changes or any research conducted between the date of publication of this document and the date on which the product is acquired. Bostik reserves the right to amend the wording of this document. Bostik cannot be held liable for any damage, either directly or indirectly, due to the use of the product(s) depicted in this document. The user must read and understand the information in this document and other documents relating to the products prior to the use of the product. The user is responsible for performing all the requisite tests to make sure that the product is suitable for its intended use. We have no influence in what way the product is applied and/or any circumstances relating to events occurring during storage or transport and therefore we do not accept any liability for damage whatsoever. All deliveries are made exclusively in accordance with our general terms of conditions which have been filed at the Dutch Chamber of Commerce.

