



Den Braven

Aqua-Silicone

Silicone for fresh and salt water aquaria



PRODUCT DESCRIPTION

Zwaluw Aqua-Silicone is an acetoxy silicone 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		Acetoxy
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 QA13 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.

