

TECHNICAL DATA SHEET

ZWALUW AQUA-SILICONE

Zwaluw Aqua-Silicone is a safe, high modulus, one component silicone sealant designed for the construction of fresh water, and sea water aquaria. After application the silicone cures with atmospheric moisture to form a durable rubber seal.

USES

An adhesive or sealant for full glass constructions, such as aquariums and terrariums. Zwaluw Aqua-Silicone is non-toxic to fish when fully cured.

COLOUR: Clear

PACKAGING: 310ml cartridge

PREPARATION

Surfaces must be clean, dry and dust free.

APPLICATION

Gun sealant firmly into joint ensuring no air is trapped behind. Joint thickness between the sides and between the sides and the bottom, 1 to 2mm is advised. Finish internal angles as a triangular joint of 3 to 5mm depending on the water level.

FINISHING

The sealant must be fully cured before it can be transported or filled with water. Curing time can be up to one week. Once cured, rinse the aquarium several times with water before use.

HEALTH AND SAFETY

Safety data sheet available for professional user on request. Dispose of empty packaging correctly.

ZWALUW AQUA-SILICONE TECHNICAL DATA SHEET CONTINUED

LIMITATIONS

Not recommended for aquaria bigger than 1000 litres and/ or higher than 60cm. Not paintable. Glass to glass joints may contain small air-bubbles that stay visible after curing. The sealant must be fully cured before it can be transported or filled with water. After curing, rinse the aquarium several times before using. Adhesion tests prior to application are recommended. It is the users responsibility to determine suitability.

TECHNICAL DATA	DIMENSION	ZWALUW AQUA-SILICONE
Basis		acetoxxy
Application temperature	°C	+5/ +40
Application rate	g/min	120
Flow	mm	<2
Density	g/ml	1,04
Skin over time	min	6
Curing time	days	7
Frost resistant till -15°C during transport		yes
Shelf life stored between +5°C / +25°C	month	12
Paintable after curing		no
Joint movement capability	%	± 25
Shrinkage	%	<5
Temperature resistance after curing	°C	-50/ +180
Mechanical properties		
2mm film		
Shore-A hardness (3 s)	DIN 53505	23
100% modulus	DIN 53504	Mpa (N/mm ²) 0,5
Tensile strength	DIN 53504	Mpa (N/mm ²) 2,0
Elongation at break	DIN 53504	% 550

LIABILITY

The information given is the result of our tests and experience and is believed to be accurate and reliable. However, as Siroflex Limited cannot know all the uses its products may be put to, and as application methods are out of our control it is the users responsibility to determine suitability of use.

QUANTITY ESTIMATOR

Width x depth of joint x length (in linear metres) of joint, divide this by the volume of tube in ml = number of cartridges required.