

TECHNICAL DATA SHEET



Silicone

FOME FLEX AQUARIUM

Description

Acetate silicone sealant with excellent mechanical properties and fast curing speed for sealing aquariums and various industrial applications. When cured, it is completely safe for aquatic organisms. Thixotropic, does not spread in the seam. Adheres well to many non-porous materials such as glass, brick, ceramics, enamel, glazed stone and clinker tiles; with impregnated, varnished or painted wood; with many plastics such as epoxy, polyester, polyacrylate and laminate. Fast curing: Fast film coating. Easy to apply, does not shrink, does not expand.

Advantages

- Strong mold protection - XS2.
- The film forms after 10 minutes.
- Suitable for indoor and outdoor use.
- Resistant to UV rays.
- Elastic and very durable seam.
- Does not change color.

Excellent adhesion to:

- Ceramics
- Mostly plastic
- Glass
- Wood
- Aluminum
- Glazed surfaces
- Non-porous surfaces
- Cast iron

Areas of application


It is used for making aquariums, sealing joints in pools and water parks and terrariums and other glass constructions. Also suitable for sealing seams required for mechanical tension.

TECHNICAL DATA SHEET

Technical data

Base	Acid silicone
Color	Clear
Film formation (DBTM 16)	10 min.
Density (DIN 53 479-B)	1,02 g/ml
Loss of mass (ISO10563)	3,5 %
Operating temperature	+5 °C to +40 °C
Thermal resistance of the seam	-40 °C to +80 °C
Resistance to mold and fungi (EN 15651-3)	XS2
Full set speed	3-4 mm/24 h.
Modulus of elasticity at 100% (ISO 37)	0,4 N/mm ²
Tensile strength (ISO37)	1,7 N/mm ²
Elongation to break	580 %
Hardness A according to Shore (DIN 53505)	30
Joint mobility	20%
Resistance to frost during transportation	to -15 °C

Certification

	EN 15651-1 F-EXT-INT-CC 20LM
	EN 15651-2 G-CC 20LM
	EN 15651-3 XS2

Conditions of use

All surfaces must be dry, dust-free, clean, free of grease and oil. Operating temperature from +5 °C to +40 °C. FOME FLEX AQUARIUM silicone adheres best to many non-porous surfaces such as glass, ceramics, painted wood and enamel.

Instructions for use

Cut off the end of the top of the cartouche and screw the tip included in the kit onto it. Insert the cartridge into the gun-syringe and fill the nozzle with sealant by pulling the trigger of the gun several times. A well-proportioned joint absorbs displacements of building materials well. For seams up to 10 mm wide, the ratio of depth to width should be 1:1 with minimum depth to width of 5 mm. For seams wider than 10 mm, the depth is calculated by dividing the width by 3 plus 6 mm.

TECHNICAL DATA SHEET

Limitations

- Not suitable for use with PE, PP, PC, PMMA, PTFE, soft plastics, neoprene, bitumen.
- Do not use where contact with natural stones such as marble, granite, fiber cement and mortar is required.
- Do not use in contact with metals such as lead, copper, brass and zinc or unalloyed or untreated steel due to corrosion.
- May become discolored in contact with some elastomers such as EPDM, APTK and neoprene.

Storage conditions

Guaranteed storage time - 18 months from the date of manufacture if stored in closed original packaging in a dry and cool place between +5 °C and +25 °C.

Package

310 ml plastic cartridge, 12 cartridges in a box.

Safety instructions

It is necessary to familiarize yourself with the safety data sheets of the product before use. Safety data sheets are available on request from official distributors

Waste management

Empty the packaging completely and dispose of it according to the requirements.