

Product Information

SILICONE

AREA OF USAGE

Sealing against glass, tiles, aluminium etc. Used as a silicone border and for aquarium assembly. Top sealing of insulation panes. Sealing of materials exposed to strong vibrations, changes in temperatures and aggressive chemicals e.g. heat exchangers, heating cartridges, refrigerated display cabinets, fans etc. as well as sealing in boats, cars and campers.

PROPERTIES

Good adhesion to glass, tiles, enamel, china, aluminium, steel, polyesters, hard PVC, wood etc. Should not be used on wood impregnated with oily agents or on calcite materials e.g. concrete etc.

Excellent absorption of movements $\pm 25\%$ of the original joint width. Withstands large variations in temperature -60°C to $+180^{\circ}\text{C}$. Excellent aging properties. Resistant to most chemicals.

JOB SPECIFICATION

The surfaces must be clean and free from grease, oil and loose particles. Line with polyethylene or a rubber gasket with closed cells. The gasket must be 3-4 mm thicker than the width of the joint. When applied to oily woods the surfaces to be joined just be primed with a wood-primer for silicone adhesives. The sealant may not stick to the material behind. For shallow joints a material eliminating the adhesion effect e.g. tape should be used. The string of paste shall be concave i.e. thinner in the middle than at the sides and formed according to HUS-AMA (Sweden)

The sealant should be glazed immediately after being applied using a moistened glazing-stick, rubber spatula or a palette-knife. The tools are cleaned with ligroin. If not hardened compound is splashed or smeared into the eyes then rinse with abundantly flowing water and seek medical attention without delay.

TECHNICAL DATA

TYPE OF MATERIAL	Silicone rubber
HARDENING	Acetonexysilane
CONSISTENCY	Soft compound
SOLVENT	None
DENSITY	Approx. 1,03
STORAGE	At least 1 year in well sealed container
COLOUR	Transparent
PACKAGING	0,3 litre cartridge, 80 ml. tube (blister packed)
HARDENING TIME	Sticky-free within approx. 20 min. After approx. 24hrs at $+25^{\circ}\text{C}$ a 5 mm thick skin is formed
HARDNESS (DIN53505)	18°C Shore A
TEMPERATURE PERMANENCE	-60°C - $+180^{\circ}\text{C}$ (continuously)

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AGEING PROPERTIES	Not influenced by ozone or UV light. Colour stable
CONTRACTION	No cracking or contraction
COATABLE	No
CHEMICAL RESISTANCE	Good. If in doubt please ask Liwell Kemi AB
FLAME POINT	Above +500°C
ESTIMATED LIFETIME	At least 10 years providing that the joint has the correct measurements
PROTECTION	The products is not classified as flammable or hazardous

The technical data we present as well as our directions and recommendations are all based on a large number of tests and our experience. They are intended as guidance for the user to find the most suitable job method and to obtain an optimal result. Since the job conditions for the user are out of our control we can not accept responsibility of any kind for the results obtained when the product is used.