

Silicon-1001

High performance silicone sealant for construction and industry

TDS: Silicon-1001 2302EN

Silicon-1001 is a permanent elastic, fast curing acetoxymethyl based silicone sealant. The product has excellent adhesion to almost all common building materials.



Applications

- Adheres to most construction and industrial materials including glass, ceramics, etc.
- For emergency glass when installing broken windows
- In caravan, container and shipbuilding
- For industrial bonding and sealing

Features and benefits

- Ready to use
- Fast curing
- Ozone resistant
- Weather resistant
- UV resistant
- Weather resistant
- 100% elastic

Adhesion

Excellent adhesion to silicate based substrates such as glass, glazed surfaces and enamel. Prime substrates in case of heavy (water)load. Apply Primer P83 for porous and stony surfaces. When in doubt please perform adhesion tests and/or consult our primer list.

Certifications

- CE-Marking, EN15651-1: F Ext-Int

Substrates

Substrates must be dry, free of dust and grease. Bituminous substrates are unsuitable. Polyethylene, Teflon and DPC do not give any adhesion. Marble and granite can cause edge zone pollution. In that case use Quadroseal silicone sealant.

Technical data at 20°C and 60% RH

Processing temperature:	+5°C to 40°C
Temperature resistance:	-60°C to 180°C
Skin formation:	20 min.
Curing speed / 24 hrs.:	2 mm
Hardness, ISO868:	15° Shore-A
Density:	1,0g/ml
Slump, ISO 7390	nihil
Modulus 100%, ISO 8339:	0,35 N/mm ²
Elongation at break:	130%
Volume change, ISO10563:	< 6%
Elastic recovery, ISO7389	> 90%
Movement capability:	12,5%
Organic solvent:	0,00% VOC (EG)

Standard color

Transparent

Joint design

To prevent three-sided adhesion of the sealant and to determine joint depth insert a PU- or PE-foam backer rod. Normally widths up to 12mm = depth 6mm. For joints wider than 12mm: joint depth = width/3 + 6mm. Width x depth in mm: 5x6, 8x6, 10x6, 12x10, 15x11, 20x12, 30x16.

How to use the product

Extrude with standard caulking gun. Prior to skin formation, smoothen sealant surface using a spatula and Bloem Jointing Finisher. Remove spilled finishing fluid immediately after sealing. Cured sealant can only be removed mechanically.

Maintenance

Silicone 1001 is resistant to mold growth and most normal cleaning agents. For a long lifespan, sanitary rooms such as bathrooms and showers should be sufficiently ventilated. Tiling together with silicone joints should be properly cleaned regularly.

Limitation

Do not strain the sealant before full vulcanization

Packaging

310 ml cartridges.

Storage and shelf life

Store in a cool and dry place (+5°C < +25°C.). Can be stored for at least 12 months in original unopened packaging.

Safety measures

Keep out of reach of children. May cause an allergic reaction. In general, long term skin contact should be avoided. Aerate the workplace properly. Prevent contact with food and other consumption products until the sealant has vulcanized. After contact with eyes, flush with plenty of water and consult a doctor if necessary. When used according to its intended purpose, the vulcanized product does not pose any risk. See MSDS (material safety data sheet) for additional info.

Transportation classification

Not applicable; no special measures required.