

Technical data sheet Universal silicone

Sanitary silicone - neutral system



Product description

OEG universal silicone is a neutrally cross-linking silicone sealant which cures by reacting to moisture to form a durable, elastic rubber seal. The product has excellent UV and weather resistance.

OEG universal silicone provides a wide adhesive spectrum and universal application options on natural stone, oven tiles, wall and floor tiles, etc. It is suitable for the application on concrete and non-corrosive to metal.

Application fields

OEG universal silicone was especially developed for surface sealing of natural stone, oven tiles, wall and floor tiles, acrylic tubs, shower trays, etc.

OEG universal silicone is compatible with paint coatings in accordance with DIN 52452 T 4, also with environment-friendly dispersion lacquers and glazes (self-verification required due to the variety of different lacquer and glaze types). After curing, permanent resilience and appropriate adhesive properties - even under extreme external influences - are guaranteed.

Restrictions

OEG universal silicone is not suitable for PE, PP, PC, PMMA, PTFE, soft plastics and neoprene.

Benefits

Excellent resistance to UV, water and weather as well as perfect adhesion without primers on most substrates.

General information

A properly dimensioned joint is able to absorb movements between adjoining building materials. The depth of the joint should always be in the right proportion to the joint width. A general rule is the ratio of joint width to joint depth with a joint width of up to 10 mm is 1:1, with a minimum of 5 mm in depth and width. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm.

Processing information

Processing temperature: +5 up to +40 °C (applies for surrounding and substrates). All surfaces must be solid, clean, dry as well as free of grease and dust. Clean the substrates with a suitable cleaner. OEG universal silicone adheres perfectly to most non-porous substrates without primer. Porous, absorbent substrates have to be pre-treated with a primer. Before the application, always test adhesion first.

Paintability

OEG universal silicone is not paintable. It is recommended to cover joint edges with masking tape to prevent surfaces that need to be painted from being contaminated by silicone.

Cleaning

Uncured material and tools can be cleaned by using silicone cleaner. Cured material can only be removed mechanically. Hands can be cleaned with suitable cleaning wipes.

Shelf life

OEG universal silicone can be stored between +5 and +25 °C in a dry place in unopened original packaging. The best before date is printed on the cartridge and on the cardboard box.

Health and safety

The safety data sheets of the product have to be read and understood before use. They are available on request or via OEG website.

Specifications

Curing time	at +23 °C and 50% rh	2 mm / 24 h
Application rate	at 3 mm Ø and 6.3 bar	125 g / min.
Base		neutrally cross-linking
Elongation at break	complies with DIN 53504 S2	600 %
Density	complies with ISO 1183-1	1.03 g / ml
100 % modulus	complies with DIN 53504 S2	0.31 N / mm
Frost resistance during transport		down to -15 °C
Skin formation	complies with DBTM 16	12 min. at +23 °C and 50 % rh
Shore-A hardness	complies with DIN 53505	18 HR
Stability	complies with ISO 7390	< 2 mm
Temperature resistance		-40 °C up to +180 °C
Processing temperature		+5 °C up to +40 °C
Tensile strength	complies with DIN 53504 S2.	1.8 N / mm
Permissible total deformation		25 %

These are typical values