

TRADE GRADE SILICONE SEALANT

CHARACTERISTICS

- Neutral-curing 1-component silicone sealant based on alkoxy
- Contains fungicides
- Low odour
- Excellent weathering, ageing and UV-resistance

FIELDS OF APPLICATION

- Sealing of expansion joints in wall and façade areas
- Expansion joints in bathroom areas
- Not recommended for use on natural stone

IMPORTANT INFORMATION

Before applying this product the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with it and also amongst each other and do not damage or alter (e. g. discolour) each other. As for the materials that will be used at a later stage in the surrounding area of the product the user has to clarify beforehand that the substances of content or evaporations do not lead to an impairment or alteration (e. g. discolouration) of the product. In case of doubt the user should consult the respective manufacturer of the material.

Avoid contact with materials which contain bitumen and which release solvents, e. g. butyl, EPDM, neoprene, insulating- and bituminous paint. During curing small amounts of alcohol are released. Ensure good ventilation during application and curing.

The sealant thickness in the joints with back-up is to be limited to max. 15 mm. If the depth of the joint is too low, a PE foil can be placed in the base of the joint in order to prevent a three-edge bond of the sealant. The required vulcanization time prolongs with increasing thickness of the silicone layer. One-component silicones must not be used for full-surface bonding applications unless special constructional prerequisites are met. If one-component silicones are to be used for thickness layers of more than 15 mm please contact our technical department beforehand.

How to prevent mould when renovating joints: For a professional renovation of joints it is absolutely necessary to remove all of the sealant damaged by mould. It is also important to remove any residue from the bottom and the sides of the joint. Only now the joint can be filled again. If these measures are not carried out accurately, the sealant, even though it contains fungicides, can be infected by mould again shortly after because the spores are still in the joint.

TECHNICAL PROPERTIES

Skin-forming time at 23 °C/50 % RH [minutes]	~ 8
Curing in 24 hours at 23 °C/50 % RH [mm]	~ 2
Processing temperature from/to [°C]	+ 5 / + 35
Viscosity at 23 °C	pasty, stable
Density at 23 °C according to ISO 1183-1 [g/cm ³]	~ 1,3
Stress expansion modulus at 100 % according to ISO 37, S3A [N/mm ²]	~ 0,4
Tensile expansion according to ISO 37, S3A [%]	~ 500
Tensile strength according to ISO 37, S3A [N/mm ²]	~ 1,1
Temperature resistance from/to [°C]	- 40 / + 120
Shrinkage of volume according to ISO 10563 [%]	< 10
Shelf life at 23 °C/50 % RH for cartridge/foil bag [months]	12 (1)

1) from date of manufacture

These data are not suitable for the issue of specifications. Please contact Roberts Designs International before issuing specifications.

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PRE TREATMENT

The adherent surfaces have to be clean, free from fats, dry and sustainable. All adherent surfaces must be clean and any contaminant such as release agents, preserving agents, grease, oil, dust, water, old adhesives or sealants and other substances which could affect adhesion, must be removed. Cleaning of non-porous substrates: Apply Maxisil Cleaner (airing time approx. 1 minute) using a clean, lint-free cotton cloth.

PRIMER TABLE

The demands on elastic sealings and bondings depend on the respective exterior influences. Extreme fluctuations in temperature, tensile or shear forces, repeated contact with water etc. demand high requirements of a bonding. In such cases it is advisable to apply primer according to the recommendations of our technical department in order to achieve a resilient bond.

1) Upon high exposure to water please contact our Technical Department

ABS	T
Acrylic glass/PMMA (Plexiglas®, etc.)	+ / 1217
Acrylic bathroom surfaces (e. g. bath tubs)	1101 / 1217
Aluminium	+ / 1216
Aluminium anodized	+
Aluminium powder-coated	1101 / T
Aluminium powder-coated (contains teflon)	T
Concrete	1105 / 1215
Stainless steel	+ / 1101
Glass	+
Wood, painted (solvent systems)	+ / 1216
Wood, painted (aqueous systems)	+
Wood, varnished (solvent systems)	+ / 1216
Wood, varnished (aqueous systems)	+
Wood, untreated	+ (1)
Ceramic, glazed	+
Ceramics, unglazed	+
Plaster	1105
PVC unplasticized	1217
PVC-soft-foils	1217

APPLICATION INFORMATION

Due to the many possible influences during and after application, the customer always has to carry out trials first.

Please observe the recommended shelf life which is printed on the packaging.

We recommend to store our products in unopened original packagings dry (< 60 % RH) at temperatures of +15 °C up to +25 °C. If the products are stored and / or transported at higher temperatures / air humidity for longer periods (some weeks), a diminution of durability or a change of material characteristics may arise.

PACKAGING

Packagings and colours on request

SAFETY PRECAUTIONS

Please observe the material safety data sheet.
After curing the product is completely odourless

DISPOSAL

Information about disposal: Please refer to the material safety data sheet.

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WARRANTY

All information in this publication is based on our current technical knowledge and experience. However, since conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. Information given in this technical data sheet and explanations of Roberts Designs International in connection with this technical data sheet (e.g. service description, reference to DIN regulations etc.) is not to be seen as a warranty. Warranties require a separate written declaration of Roberts Designs International to prove their validity. The characteristics stated in this data sheet define the characteristics of the article broadly and conclusively. Suggestions of use are not to be taken as confirmation of the appropriateness for the recommended intended use. We reserve the right to alter the product, adjusting it according to technical progress and new developments. We are at your disposal both for inquiries as well as specific application problems. If a governmental approval or clearance is necessary for the application of our products, the user is responsible for the obtainment of such. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of third parties' rights and - if necessary - resolving it. For the rest our general terms and conditions apply, in particular regarding a possible liability for defects. You can find our general terms and conditions on our homepage: <http://www.robertsdesigns.com.au/terms-and-conditions>.