ROMANO
Indoor & Outdoor Solutions

SPEC SHEET

ROBERTS / SILICONES AND SEALANTS

Maxisil Membrane Silicone



RANGE
Maxisil
TYPE
Silicones and sealants
USE IT FOR
Fillet and bond breaker joints before waterproofing
SIZES
310 ml
MATERIAL
Neutral cure silicone
STANDARDS
EN 15651-1 F EXT-INT CC 25 LM, EN 15651-3 XS 1
CODE
RDX1007

WARRANTY

Ask us for the warranty terms for this product: 03 9720 4633 or sales@romanoios.com.au.

FEATURES

- Membrane can go straight over it, no wait time
- Low modulus, 50% joint movement
- Temperature range -40 to +180 °C
- Interior and exterior use

DIMENSIONS

The dimension drawing and full specifications from Roberts follow on the next page.

The neutral curing construction & membrane silicone

Maxisil® M

Technical Datasheet

Characteristics:

- Neutral-curing 1-component silicone sealant
- Good compatibility with paints according to DIN 52452 (not paintable)
- Non-corrosive
- Excellent weathering, ageing and UV-resistance
- Contains fungicides

Fields of application:

- Sealing of joints on windows and doors made of wood, metal and plastic
- Expansion joints on prefabricated concrete and cellular concrete units
- Expansion joints in bathroom areas
- Sealing of joints on façades, metal constructions

Standards and tests:

- Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 – Part 3: XS 1
- "Highly recommendable non-hazardous building product" according to building material list (TOXPROOF) of the TÜV Rhineland, Germany
- According to the requirements of DIN 18540-F
- Suitable for applications according to IVD instruction sheet no. 3-1+3-2+7+9+14+19-1+20+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- Conform to LEED® IEQ-credits 4.1 (Indoor Environmental Quality) adhesives and sealants
- Suitability for DGNB
- French VOC-emission class A+
- Certified according to GOS

Important information:

Before application, the user should ensure the materials in the contact area (solid, liquid and gaseous) are compatible with the sealant and also each other, so as they do not damage or alter (e. g. discolour) each other. If in doubt the user should consult each manufacturer of the surrounding substrates. During the material curing process, products of the crosslinker are released. Please ensure good ventilation during application and curing.

Once cured, the product is completely odourless, physiologically harmless and unmodified.

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

Remark on the processing of the colour "stainless steel": Please note that when "modeling" the silicone, i. e. when silicone layers are pushed on top of each other (e. g. in corner areas) dark, clearly visible dividing lines could appear. These dividing lines can not be removed by smoothing the lines afterwards. This effect occurs solely for the colour "stainless steel" and is caused by a special colour pigment which is necessary to create the metallic effect. It is a typical characteristic of the colour "stainless steel" and it does not represent a deficiency of the material. In order to avoid such effect, layers of silicone should not be pushed on top of each other when smoothing the material.

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Pages from Roberts's own specification. Ask us about this product, we're happy to help.
Romano Indoor & Outdoor Solutions, 4/126 Canterbury Rd, Kilsyth South VIC 3137. 03 9720 4633. sales@romanoios.com.au

Smoke from cigarettes or similar environmental influences may lead to discolouring of the sealant. Avoid contact with materials which contain bitumen and which release solvents, e. g. butyl, EPDM, neoprene, insulating- and bituminous paint.

For cleaning purposes, the use of neutral or alkaline detergents is preferable, as fungus multiplies quicker in an acidic environment.
Avoid contact with materials which contain bitumen, which release solvents, e. g. butyl, EPDM rubbers, neoprene and bituminous paint.

When restoring joints contaminated with mould, the existing elastic sealant must be removed completely. Before re-jointing, the affected joint areas are to be treated with Maxisil Anti-Mildew Spray to remove existing fungal spores. Otherwise a new mould attack may again occur in the joints, despite the mould protection technology of the sealant.

Technical properties:

Skin-forming time at 23 °C/50 % RAH [minutes]	~ 5 - 15
Curing in 24 hours at 23 °C/50 % RAH [mm]	~ 2
Processing temperature from/to [°C]	+ 5 / + 35
Density at 23 °C according to ISO 1183-1, coloured [g/cm³]	~ 1,2
Density at 23 °C according to ISO 1183-1, transparent [g/cm³]	~ 1,0
Viscosity at 23 °C	pasty, stable
Shore-A-hardness according to ISO 868, coloured	~ 30
Shore-A-hardness according to ISO 868, transparent	~ 25
Permissible movement capability [%]	25
Stress expansion modulus at 100 % according to ISO 37, S3A [N/mm²]	~ 0,5
Tensile expansion according to ISO 37, S3A [%]	~ 550
Tensile strength according to ISO 37, S3A [N/mm²]	~ 1,4
Temperature resistance from/to [°C]	- 40 / + 180
Shelf life at 23 °C/50 % RAH for cartridge/foil bag [months]	12
Shelf life at 23 °C/50 % RAH for pail/drum [months]	12

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

Pretreatment:

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

Primer Table:

The demands on elastic sealants and bonds depend on the respective exterior influences and substrates. Extreme fluctuations of temperature, tensile or shear forces, repeated contact with water etc. demand high bond strengths. In such cases it is advisable to apply primer according to the recommendations of our technical department in order to achieve maximum bond strength

Acrylic glass/PMMA (Plexiglas®, etc.)	-
Acrylic bathroom surfaces (e. g. bath tubs)	+ / 1101
Aluminium	+
Aluminium anodized	+ / 1101
Aluminium powder-coated	1101 / T
Aluminium powder-coated (contains Teflon)	T
Concrete	1105 / 1215
Concrete block	-
Lead	+ / 1216
Stainless steel	+ / 1216
Iron	1216
Epoxy resin coating	+ / 1216
Glass	+
Wood, painted (solvent systems)	+
Wood, painted (aqueous systems)	+
Wood, varnished (solvent systems)	+
Wood, varnished (aqueous systems)	+
Wood, untreated	1215 / 1226 (1)

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