ROMANO
Indoor & Outdoor Solutions

SPEC SHEET

ROBERTS / SILICONES AND SEALANTS

# Maxisil Natural Stone Silicone




RANGE
Maxisil

TYPE
Silicones and sealants

USE IT FOR
Joints in marble, granite and other natural stone, indoors and out

COLOURS
Clear, White, Alabaster, Vanilla, Beige, Brown, Light Grey, Pearl Grey, Manhattan, Grey, Dark Grey, Anthracite, Black, Travertine

SIZES
310 ml

MATERIAL
Neutral cure silicone

STANDARDS
EN 15651-1 F EXT-INT 25 LM, EN 15651-3 XS 1, EN 15651-4 PW EXT-INT 25 LM, ISO 16938-1

CODE
RDX1001ALA / RDX1001AN / RDX1001BG / RDX1001BL / RDX1001BR / RDX1001CL / RDX1001DG / RDX1001G

## WARRANTY

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

## FEATURES

- Non-staining on natural stone (tested to ISO 16938-1)
- 50% joint movement capability
- Gloss and matte colours
- Suits floors, walls, facades and stone pools
- UV and weather resistant

## DIMENSIONS

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

**The premium neutral curing silicone sealant for natural stone and façade applications**

# Maxisil® Natural Stone

**Technical Datasheet**

Characteristics:

- Neutral-curing 1-component silicone sealant
- **Guarantee - does not cause any migratory staining on natural stone**
- Low modulas, **50% joint movement** capability making it Ideal for exterior façade applications
- High resistance to notches, tension and tearing
- Excellent weathering, ageing and UV-resistance, will not become dry, crack or brittle
- Non-corrosive
- Contains fungicides
- Available in a range of colours including "structure" colours with a stonelike surface. Custom colours also available
- Also available in "matt-finish" colours. See application tips section for technique on smoothing matt colours
- Stress expansion modulus at 100 % (DIN 53 504, S3A): 0,5 N/mm²

Fields of application:

- Designed specifically for sealing and jointing on marble and all **natural stones**, e. g. sandstone, quartzite, granite, porphyry etc. in interior and exterior areas
- Sealing of movement joints in floors, walls and **facades**
- Movement-compensating bonding of natural stone on metal, e. g. stone stairs on a metal construction
- Sealing and jointing of marble / natural stone swimming pools, also underwater joints
- Sealing of laminated and coated glass
- For the external sealing of mirrors in connection with natural stone
- Joint filling between concrete slabs and natural stone for both interior and exterior use.

Standards and tests:

- Tested according to EN 15651 – Part 1: F EXT-INT 25 LM / F EXT-INT CC 20 LM
- Tested according to EN 15651 – Part 3: XS 1
- Tested according to EN 15651 – Part 4: PW EXT-INT 25 LM (1)
- Tested according to ISO 16938-1 of SKZ Würzburg (Testing for migratory staining of sealants on natural stone)
- Tested according to ASTM C 1248 by DL Laboratories, New York (Testing for migratory staining of sealants on natural stone)
- "Highly recommendable non-hazardous building product" according to building material list (TOXPROOF) of the TÜV Rheinland, Germany
- Suitable for applications according to IVD instruction sheet no. 1+3-1+3-2+9+14+23+25+27+30+31+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) Nr. 1907/2006 (REACH)
- 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
- Declaration in "baubook" Austria

- (1) Applies only to the matt shades of Maxisil N, all other shades comply with PW INT 12,5 E



Maxisil
+61 1300157207
info@maxisil.com maxisil.com

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

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 "modelling" 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.

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

Technical properties:

| | |
|---|---|
| Skin-forming time at 23 °C/50 % RAH [minutes] | ~ 10 |
| Curing in 24 hours at 23 °C/50 % RAH [mm] | ~ 2 - 3 |
| Processing temperature from/to [°C] | + 5 / + 35 |
| Viscosity at 23 °C | pasty, stable |
| Density at 23 °C according to ISO 1183-1 [g/cm³] | ~ 1,0 |
| Density at 23°C according to ISO 1183-1, matt [g/cm³] | ~ 1,3 |
| Shore-A-hardness according to ISO 868 | ~ 30 |
| Permissible movement capability [%] | 50% |
| Stress expansion modulus at 100 % according to ISO 37, S3A [N/mm²] | ~ 0,5 |
| Tensile expansion according to ISO 37, S3A [%] | ~ 600 |
| Tensile strength according to ISO 37, S3A [N/mm²] | ~ 1,4 |
| Temperature resistance from/to [°C] | - 40 / + 180 |
| Extrusion rate according to ISO 8394-1 [g/min.] | ~ 130 - 160 |
| Shrinkage of volume according to ISO 10563 [%] | < 10 |
| Shelf life at 23 °C/50 % RAH for cartridge/foil bag [months] | 15 |

1) Please pay attention to standards and tests

This data is not suitable for the issue of specifications. Please contact Maxisil before issuing specifications.



Maxisil
+61 1300157207
info@maxisil.com maxisil.com

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