Neutral Cure and Non Staining Natural Stone Silicone

Ideal for use with sensitive natural stone such as marble, sandstone and granite.

Contains fungicides to combat mould growth.

Flexible sealant for use in tile movement and connecting joints.

Colour matched to popular grout and sanitary ware.

Easy to apply and smooth off, with low odour.

UV and weather resistant.

Water resistant · suitable for wet areas such as showers and underwater joints such as swimming pools.

Use as a bond breaker with ARDEX waterproofing membranes.

Internal and external, wall and floor.

Low VOC content · meets Green Building Council of Australia Green Star IEQ-13 requirements.
Please observe the following depth of silicone in a 3 side adhesion of the silicone.

Use a polyethylene tape or release agent to prevent the silicone from adhering to the substrates. The silicone should only be fixed to two of the three surfaces. The maximum joint width should be 5mm, and for external joints 10mm. Maximum joint depth should be 3mm, and for external joints 6mm. For internal joints, the joint depth should be approximately 10mm. When using silicone for internal joints, the ratio of width to depth should be 2:1 to prevent the formation of air pockets and wrinkles. ARDEX ST is ideal for applications such as swimming pools.

If the silicone is to be applied to copper or brass surfaces, use a polyethylene tape or release agent to prevent the silicone from adhering to the substrates. The silicone should only be fixed to two of the three surfaces. ARDEX ST is ideal for applications such as swimming pools.

Substrates

ARDEX ST is ideal for moisture sensitive natural stone prone to staining, such as marble, granite, sandstone and limestone. It can also be used on glazed and unglazed tiles, enamel, glass, porcelain, waterproofing membranes, wood and sanitary acrylics.

Preparation

Joints and surfaces must be firm, sound, dry, clean and free from grease, oil, dirt, soap and old paints. To achieve a neater finish and to avoid getting silicone on the tile or stone, mask joint edges with tape. Prime porous and underwater joints or other joints if necessary with ARDEX SP 1. If the silicone is to be applied to copper or brass surfaces, ensure that air is able to circulate.

Joint Design

Where possible, the silicone should be at a 2:1 ratio (width:depth). For internal joints the width and the depth of the joint should be minimum 5mm, and for external joints 10mm. Maximum joint width is 30mm and depth 15mm. For joints greater than 10mm deep a backing rod should be used. The silicone should only be fixed to two surfaces to allow movement. Hence on flat joints use a polyethylene tape or release agent to prevent a 3 side adhesion of the silicone.

Please observe the following depth of silicone in regard to the width of the joint:

<table>
<thead>
<tr>
<th>Width x Depth</th>
<th>5 x 5</th>
<th>10 x 10</th>
<th>20 x 10</th>
<th>30 x 15</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>12</td>
<td>3</td>
<td>1.5</td>
<td>0.7</td>
</tr>
</tbody>
</table>

Packaging

ARDEX ST is packed in plastic cartridges – net volume 310mL.

SheLF life

ARDEX ST has a shelf life of not less than 15 months when stored in the original, unopened packaging, in a dry place at 23°C and 50% relative humidity.

Pay attention to the following:

To support the anti-fungal agent, it is recommended to regularly clean the joint and surrounding surfaces with detergents and disinfectants. Dirt and soap that often remains on the joint is ideal grounds for mould growth. ARDEX ST is the ideal silicone for use with natural stone; however natural stone is by name a natural product that can differ greatly by quarry and position within a quarry. Therefore, it is highly advisable to use an appropriate silicone primer to guarantee no staining of natural stone. Bituminous, tar, oil or acrylic impregnated fillers should not be used.

ARDEX ST is water resistant; however rules of undertile waterproofing must still be maintained. Not suitable for painting over or load bearing construction. Fresh spills can be removed with a thinner, after curing it is only possible by mechanical means if the substrate is suitable. On painted surfaces and plastic substrates a trial application is recommended. In contact with bituminous substrates or if iodine developing cleaning agents are used, discoloration may occur. ARDEX ST is not suitable for use with bitumen and tar due to discoloration or polyethylene, butyl, EPDM rubber, neoprene and Teflon due to lack of adhesion.

Safety Precautions

ARDEX ST is non-hazardous and non-dangerous. Contains 2-butanonozim. May cause allergic reaction. Keep the product out of the reach of children. Use in well ventilated areas or with exhausting systems. Avoid skin and eye contact. If uncured material makes contact with the eye, rinse with plenty of clean water for at least 15 minutes and seek medical advice. In case of skin contact, wash off with soap and running water. If respiratory discomfort is experienced, move to an area for fresh air. If swallowed, drink large quantities of water in small portions, do not induce vomiting and seek medical advice.

For further material safety data, consult the latest Material Safety Data Sheet.

Technical Data

Colours:
- Travertine, Clear, Slate Grey, Albaster, Sand Beige, Charred Ash, Misty Grey, Ultrawhite
- Coloured paste

Form:
- Raw Material: Silicone, neutral curing system
- Application Temperature: 5°C to 40°C
- Mechanical Properties: AS 4992
- Temperature Resistance: 40°C to +180°C
- Elongation: ± 20% of joint width
- E-Modulus 100%: Approx. 0.7N/mm²
- Hardness, Shore A: Approx. 30

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Disclaimer

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