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PRODUCT DATA SHEET

ARDEX ST

Neutral Cure Elastic Silicone Sealant

Features

- Excellent resistance to weather, UV exposure and commonly used cleaning chemicals and disinfectants
- Contains fungicide to prevent the growth of fungi and moulds
- Minimises discolouration and is suitable for most surface finishes, including natural stones such as marble and granite
- Neutral cure and low odour
- Suitable for internal and external use
- Available in Transparent and 13 colours that complement the most popular ARDEX-FLEX Tile Grout colours

bsi. ISO 9001 Quality Management | ISO 14001 Environmental Management | OHSAS 18001 Occupational Health and Safety Management

Reg No. FM 01207 EMS 565427 OHS 628374

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ARDEX ST

Neutral Cure Elastic Silicone Sealant

DESCRIPTION
ARDEX ST is a neutral cure elastic silicone sealant that minimises the risk of discolouration in porous materials, making it suitable for use with most finishes including moisture sensitive natural stones. After curing, ARDEX ST is resistant to commonly used cleaners, disinfectants and UV exposure, and its anti-fungal properties inhibit the growth of fungi and moulds. It is easy to apply and smooth and, due to its high elasticity, it can accommodate movement of up to 20% of the applied width. It is available in Transparent and 13 colours designed to match the most popular ARDEX-FLEX Flexible Tile Grout colours.
NOTE: Does not contain acetic acid.

USE
ARDEX ST can be used for the sealing of movement, corner and connecting joints in internal and external locations including bathrooms, showers and living areas. It is suitable for use with most surface finishes including natural stones, and has excellent adhesion to glazed and unglazed tiles, enamel, glass, acrylic, anodised aluminium, plastics, laminated kitchen work boards, solvent free acrylic varnished surfaces and wood.
NOTE: Apply ARDEX ST cautiously on natural stone, avoiding getting any silicone onto the tile surface. If this should happen, remove immediately and do not use detergents. Fresh spills can be removed with a thinner. After curing, it is only possible to remove the sealant by mechanical means if applied to a suitable substrate. Due to the variable nature of some natural stone and absorbent surfaces, we recommend that a test application is carried out before commencing work, or contact ARDEX Technical Services for further advice.

ARDEX ST is waterproof and prevents water penetrating through the silicone joint. Where moisture sensitive backgrounds in wet areas are being tiled, ARDEX WPC Waterproof Coating should be used to prevent moisture ingress through tile grout joints. For further information, consult the ARDEX WPC Technical Datasheet or contact ARDEX Technical Services.

ARDEX ST is not suitable for use in permanently submerged locations such as swimming pools.

ARDEX ST should not be used on the following substrates: bitumen and bituminous materials, butyl, EPDM, rubber, polyethylene, neoprene, tar and Teflon. ARDEX ST does not adhere to polyethylene and Teflon. On the other substrates discoloration may occur. The surface of natural stones and open porous tiles should be protected with masking tape to prevent the sealant entering pores in the surface which could lead to discolouration.

ARDEX ST is suitable for corner and edge joints on floors, however it is not suitable for floors with high mechanical loads.

ARDEX ST cannot be over painted and is not suitable for load bearing construction.

On painted surfaces and plastic substrates, we recommend a trial application.

SURFACE PREPARATION
The joint edges should be clean, firm and free of dust, dirt, oil, grease and other barriers to adhesion. Joint edges in bathtubs and shower outlets should be cleaned and degreased with ARDEX DGR Degreaser. Do not use any detergents.

Deep joints should be prefilled with an appropriate foam backer rod. Bituminous, tar, oil or acrylic impregnated fillers should not be used.

APPLICATION
Cut off the tip of the cartridge above the thread. Screw on the nozzle and cut it at an angle according to the required application thickness. Place the cartridge into a cartridge gun and apply the sealant firmly into the joint and against the backing, making sure all edges are completely covered and no air voids are formed. Before the silicone skins over (after approximately 5 minutes), smooth the surface with a suitable tool and remove any masking tape used.

ARDEX ST should be applied at a substrate temperature between 5°C and 40°C.

NOTE: The joint width should be determined so that the maximum movement the joint may experience is less than 20% of the joint width. Please observe the following required joint depths:

Width	Depth
Up to 10mm	As width, minimum 6mm
10mm	8-10mm
15mm	8-12mm
20mm	10-14mm
25mm	12-18mm

NOTE: ARDEX ST can be applied in sections and adheres well to cured silicone, if dry and free of dust.

Opened cartridges can be used over several days if the nozzle is closed with a suitable top. Any dry silicone in the nozzle should then be removed before re-use.

COVERAGE
A 310ml cartridge of ARDEX ST will cover approximately:
8.6m at 6mm x 6mm thickness
3.1m at 10mm x 10mm thickness
3.9m at 10mm x 8mm thickness
1.7m at 15mm x 12mm thickness

CLEANING
Although ARDEX ST contains fungicide to prevent mould, the general rules of cleaning should be applied and suitable cleaning agents used; dirt and soap residues can still provide an ideal background for fungi and mould to grow on. From time to time, the joints should be dried and cleaned with a suitable disinfecting agent. Note that the use of cleaning agents containing iodine may cause discolouration.

PACKAGING
ARDEX ST is packed in plastic cartridges - 310ml net volume.

STORAGE AND SHELF LIFE
ARDEX ST can be stored for approximately 15 months in dry conditions and in the original, sealed packaging.

NOTE: For the latest technical or health and safety data on this product, consult the current technical or health and safety data sheet online at **www.ardex.co.uk**

TECHNICAL DATA

Raw material base:	Neutral curing silicone system
Joint width:	Up to 30mm on walls Up to 15mm on floors
Movement accommodation:	20% of joint width
Specific weight acc. to DIN 52451t:	Approx. 1.0g/cm^3
Modulus:	Approx. 70 N/mm^2 (DIN EN 28339 Method A)
Shore-A-hardness:	Approx. 30
Application temperature:	+5°C to +40°C
Temperature resistance:	-40°C to +150°C
Skin forming time:	5 minutes
Suitable for underfloor heating applications:	Yes

TECHNICAL ADVICE HELPLINE:
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