



CI/SfB

Yt4

AUGUST 2011
(SUPERSEDES MARCH 2011)
PRODUCT DATA SHEET

ARDEX ST

Neutral Cure Elastic Silicone Sealant

Features

- Minimises discolouration and is also suitable for joints in natural stone such as marble & granite
- Excellent resistance to weather, UV-radiation and commonly used cleaning chemicals and disinfectants
- Available in 6 colours that complement the ARDEX-FLEX Grout colour range
- Suitable for internal and external use



Reg No. FM 1207



EMS 565427

ARDEX UK LIMITED
Homefield Road, Haverhill, Suffolk CB9 8QP UK.
Telephone: +44 (0)1440 714939
Fax: +44 (0)1440 716640
Technical Services Fax: +44 (0)1440 716663
Email: technical.services@ardex.co.uk
ARDEX online: www.ardex.co.uk

ARDEX ST

Neutral Cure Elastic Silicone Sealant

USE

For use in internal and external applications for walls and floors. ARDEX ST can be used for the elastic sealing of movement joints, corner and connecting joints in bathrooms, showers and living areas such as tiled floors, and connections to doors and windows

DESCRIPTION

ARDEX ST is a one component, neutral cure silicone sealant which can be easily applied and smoothed. ARDEX ST minimises discoloration, and is also suitable for filling joints between natural stone tiles such as marble and granite.

Due to its high elasticity, ARDEX ST can accommodate movement up to 20% of the applied width. After curing ARDEX ST is resistant to commonly used cleaners, disinfectants, and UV exposure.

Joints can be cleaned easily, and the inclusion of fungicide prevents growth of fungus and moulds, preserving the joint surface from deterioration.

ARDEX ST has excellent adhesion to glazed and unglazed tiles, enamel, glass, acrylic, anodized aluminium, plastics, laminated kitchen work boards, solvent free acrylic varnished surfaces, thicker varnish, and wood.

PREPARATION

The joint edges should be firm, sound, dry and free of dust. Dirt, grease, oil and old paint should be removed completely. Joint edges in bathtubs and shower outlets should be cleaned and degreased with suitable cleaning agents.

Deep joints should be prefilled with polyethylene foam backer rod. Please ensure that the rod is not damaged during installation. On flat joints use a polyethylene de-bonding tape to prevent a 3 point adhesion of the sealant. The minimum thickness internally should be at least 6mm and externally 10mm. Bituminous, tar oil or acrylic impregnated fillers should not be used.

Due to the variable nature of some natural stones and absorbent surfaces, in some cases adhesion may need to be improved by the use of a suitable primer. If in any doubt, carry out a test application before commencing work, or contact ARDEX Technical Services for advice.

Apply ARDEX ST cautiously, avoiding getting any silicone onto the Natural Stone surface. If this should happen, remove immediately.

Do not use any detergents.

APPLICATION

The tip of the cartridge should be cut off above the thread. Screw on the nozzle and cut the nozzle in an angle according to the required thickness of the joint. Install the cartridge in the cartridge gun.

Extrude the sealant firmly into the joint and against the backing, making sure that no air voids are formed. Apply the ARDEX ST so that the edges are completely covered, to achieve good adhesion.

Before the silicone skins (approx. 5 mins) smooth the surface with a suitable tool and remove the masking tape where applied. You can work in sections since ARDEX ST adheres well to already cured silicone if the silicone is dry and free of dust. The width of the joint should be determined so that the maximum movement in the joint will be less than 20% of the width of the joint.

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

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

For external joints the width and the depth of the joint should be a minimum of 10mm. ARDEX ST should be applied at a substrate temperature between 5°C and 40°C.

ARDEX ST is waterproof and prevents water penetrating into the joint. However rules of waterproofing under tile do still apply and should not be overlooked.

ARDEX ST can not be overpainted and is not suitable for a loadbearing construction.

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

Although ARDEX ST contains a fungicide it should be observed that the general rules of cleaning are applied i.e. suitable cleaning agents should be used. Dirt and soap residues can still provide an ideal background for fungus and mould to grow on.

From time to time the joints should be dried and cleaned with a suitable disinfecting agent. Opened cartridges can be used over several days, if the nozzle is closed with suitable top. The dry part in the nozzle should then be removed before re-use.

Fresh spills can be removed with a thinner. After curing it is only possible by mechanical means if the substrate is suitable for this. On painted surfaces and plastic substrates we recommend a trial application.

In contact with bituminous substrates discoloration and lack of adhesion may occur. Note that the use of cleaning agents that produce iodine may cause discoloration.

ARDEX ST should not be used on the following substrates:

Bitumen, butyl, EPDM, rubber, polyethylene, neoprene, tar and Teflon. ARDEX ST does not adhere to polyethylene and Teflon. On the other substrates discoloration may appear.

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 discoloration.

ADVICE

Keep out of reach from children, Avoid any contact with the eyes and skin. In case of eye contact, wash thoroughly with water and seek medical attention.

TECHNICAL DATA

According to ARDEX quality standards:

Raw material base:	Silicone, neutral curing system
Component:	1 component
Consistency:	Smooth paste
Specific weight Acc. DIN 52451t:	approx. 1,0 g/cm ³
Joint width:	Up to 30 mm wall Up to 15 mm floor
Movement accommodation.	20 % of joint width
Application temperature:	+ 5°C to +40°C
Skin forming time:	5 minutes
Temperature resistance:	-40°C to +150°C
Modulus:	approx. 70 N/mm ² (DIN EN 28339 Method A)
Shore-A-hardness:	approx. 30
Suitable for underfloor heating applications:	Yes
Packaging:	Cartridges with 310ml net

STORAGE

Can be stored for approx. 12 months in dry rooms in originally sealed packaging

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

TECHNICAL ADVICE HELPLINE:
01440 714939
ARDEX online: www.ardex.co.uk