



# ARDEX SE

## Coloured Silicone for Sanitary Installations

- Flexible sealant for use in tile movement and connecting joints
- Colour matched to popular grout and sanitary ware
- Easy to apply and smooth off
- UV resistant – use indoors or outdoors
- Waterproof – suitable for wet areas such as showers
- Contains fungicides to combat mould growth
- Low VOC content



**Colour Options:** White, Glossy White, Transparent, Gray, Light Gray, Silver Gray, Cement Gray, Anthracite, Jasmin, Pergamon, Basalt, Bahama Beige, Sand Beige, Jura Beige, Sand Gray, Gray Brown, Bali Brown, Dark Brown

### DESCRIPTION

ARDEX SE is an acetic cure silicone sealant which is ideal for use in tiling applications due to the superior bond achieved when being used with glazed surfaces such as ceramic tile. Due to its high elasticity, ARDEX SE is able to accommodate movement up to 25% of the original joint width. It is exceptionally easy to apply and smooth, curing to form a permanently elastic, waterproof and dustproof joint seal.

### USE

ARDEX SE is ideal for applications such as movement joints (between tiles); corners (tiled wall and floor); connecting joints between tiled surface and bench tops, bath edges, cupboards and splashbacks. Ideal areas of application include bathrooms, showers and kitchens; doors, windows and fixtures; balconies, patios and facades.

### SUBSTRATES

ARDEX SE is ideal for glazed and unglazed ceramic tiles, enamel, laminated kitchen benches, aluminium, glass, porcelain 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.

### 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.



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**73031 ARDEX SE**

**EN 15651:F-INT-CC 20HM, XS 1, PW-INT-CC 20HM**

Sealant for non-structural use in joints for facades, sanitary areas and pedestrian walkways

Type: F-INT-CC 20HM, XS 1, PW-INT-CC 20HM

Conditioning: method B

Substrate: mortar, aluminium

Reaction to fire	: E
Release of chemicals dangerous to health and the environment	: evaluated
<b>Water tightness and air tightness</b>	
Resistance to flow	: ≤ 3mm
Loss of volume	: ≤ 10%
Tensile properties at maintained extension after water immersion	: passed (NF)
Tensile properties at maintained extension for non-structural sealants used in joints in cold climate areas ( -30 °C )	: passed (NF)
Tensile properties at maintained extension:	: passed (NF)
Tear resistance:	: passed (NF)
Tensile properties - secant modulus at -30°C for cold climate areas:	: ≤ 0.9 MPa
Microbiological growth	: 0
Durability	: passed (NF)

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

Width	Depth
5 - 10 mm	as width min. 5 mm
10 mm	8 - 10 mm
15 mm	8 - 12 mm
20 mm	10 - 14mm
25 mm	12 - 18 mm

### APPLICATION

Apply at temperatures between 5°C to 40°C. Trim end of nozzle to obtain the correct bead width and place cartridge in applicator gun. Apply sealant in a steady continuous bead ensuring good contact with both sides of the joint to achieve the required adhesion. Tool off with a moistened spatula to finish the joint smoothly before a skin forms, approximately 10 minutes. While the silicone is still wet, clean off any excess. If joint edges have been masked, remove tape whilst the sealant is still wet.

If the silicone has dried on the surface, clean with white spirit solvent to soften the silicone then scrape off with a blade. Do not paint over the silicone.

### COVERAGE

Coverage will vary according to joint width and depth, as well as the type and method of application. The figures below can be used as a guide for flat joints.

Joint Size (mm) width x depth	Linear Metres / cartridge
5 x 5	12
10 x 10	3
20 x 10	1.5
30 x 15	0.7

### PAY ATTENTION TO THE FOLLOWING

To support the antifungal 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.

Do not use in continuous immersion applications e.g. swimming pools or with waterproofing membranes, use ARDEX ST.

ARDEX SE 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, discolouration may occur.

ARDEX SE is not suitable for use with bitumen, marble, natural stone, certain metals (brass, copper) and tar due to discolouration or polyethylene, butyl, EPDM, rubber, neoprene and Teflon due to lack of adhesion.

### SAFETY PRECAUTIONS

ARDEX SE is non-hazardous and non-dangerous. Use in well-ventilated areas. 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, wipe off and wash 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 According to ARDEX Quality Standards

Product type:	Siliconed based on asetic acid
Density:	approx. 1,0g/cm <sup>3</sup> (DIN 52451)
Consistency:	Pasty
Colour options:	White, Glossy White, Transparent, Gray, Light Gray, Silver Gray, Cement Gray, Anthracite, Jasmin, Pergamon, Basalt, Bahama Beige, Sand Beige, Jura Beige, Sand Gray, Gray Brown, Bali Brown, Dark Brown
Material requirement:	See coverage table on the left
Temperature resistance:	Between - 40°C and +180°C
Skin formation time*:	approx. 10 - 12 minutes (Protect a few hours for possible damages)
Drying/hardening time*:	approx. 24 hours for 3 - 4 mm
*Values calculated under lab conditions (+23°C room temperature 50% relative humidity). Weather and environmental conditions may affect the values. Higher temperatures and low humidity decreases the time required, whereas lower temperatures and high humidity increases it.	
Expansion:	up to 25% of the original join width
Elasticity modulus:	approx. 0,40N/mm <sup>2</sup> (DIN EN 28339 Method A)
Shore A hardness:	approx. 25
GHS/CLP classification:	None
GGVSEV/ADR classification:	None
Packaging:	310ml plastic cartridge
Storage and shelf life:	ARDEX SE has a shelf life of not less than 24 months when stored in the original, unopened packaging, in a dry place at 23°C and 50% relative humidity.