



ARDEX SE

Sanitary Silicone

- Silicone sealant with fungicidal agent (acetic acid cross-linking)
- Elastic sealing of movement, corner and connection joints in indoor and outdoor areas
- Easy to spray and smooth
- Good adhesive properties
- Resistant to weather conditions, UV rays and standard cleaning agents and disinfectants



Colours

anthracite, bahama beige, Bali brown, basalt, brilliant white, dark brown, grey, grey-brown, light grey, jasmine, Jura beige, Pergamon, sand beige, sand grey, silver grey, stone grey, transparent, white, cement grey

Area of application

Indoor and outdoor. Wall and floor.

Elastic sealing of movement, corner and connection joints

- in bathrooms, showers and WCs
- in living areas with ceramic coverings, on doors, windows and built-in elements,
- on ceramic coverings on balconies, terraces and facades.

Settings

ARDEX SE is a single-component, acetic acid-curing silicone sealant that is easy to spray and very smooth. Due to its high elasticity, it compensates for expansion and compression movements of up to 25% of the joint width. Once cured, ARDEX SE is resistant to weathering, UV rays, standard

household cleaners and disinfectants. The joint can be cleaned without any problems.

The fungicidal properties prevent fungal and mould growth.

Substrates

ARDEX SE adheres to glazed and unglazed tiles, enamel, glass, sanitary acrylic, bare and anodised aluminium, plastic, coated kitchen worktops, solvent-free acrylic paints, alkyd resin paints, thick-film glazes and wood. For concrete and mineral plasters, use ARDEX SP 10 Primer; for chrome, stainless steel and hard PVC, use ARDEX SP 20 Washing Primer (observe the adhesion table).

The joint edges must be solid, load-bearing, dry and free of dust, dirt, grease, oil and paint coatings. Old joint sealant must be removed completely if necessary. Clean greasy joint edges and bathtub and

Shower tray edges with suitable cleaning agents.

Fill deeper joints with closed-cell polyethylene round cord. The backfill material must not be damaged during application. For shallower joints that cannot accommodate a round profile, cover the joint base with a polyethylene strip to prevent three-sided adhesion. The joint width should be at least 5 mm indoors and at least 10 mm outdoors. Bitumen, tar, oil or acrylic-impregnated fillers must not be used under any circumstances.

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Processing

Cut off the cartridge tip above the thread, screw on the nozzle and cut it at an angle according to the joint width. Insert the cartridge into the applicator gun. Inject ARDEX SE Sanitary Silicone into the joints so that it bonds fully with the joint flanks to achieve good adhesion. For angled connections, inject as a triangular chamfer. Before skin formation (approx. 10–12 minutes), smooth the sealant with a suitable tool moistened with ARDEX SG smoothing agent and remove any adhesive tape. It is possible to work in sections, as fresh ARDEX SE adheres perfectly to already hardened material, as long as that the surface is free of dirt and dust.

The joint width must be dimensioned so that the practical expansion capacity of 25 % is not exceeded by the movements of the adjacent components (expansion, compression). The following joint depths must be observed for the joints in relation to the joint width:

Width	Depth
up to 10 mm	same as width, but at least 6 mm
10 mm	8 - 10 mm
15 mm	8 - 12 mm
20 mm	10 - 14 mm
25 mm	12 - 18 mm

For joints in outdoor areas, the width and depth of the joints should be at least 10 mm.

ARDEX SE Sanitary Silicone should be applied at substrate temperatures above +5°C and below +40°C.

The skin formation time and curing speed refer to +23°C and 50% relative humidity. Higher temperatures and/or higher humidity shorten the curing time and increase the curing speed, while lower temperatures and/or lower humidity prolong the curing time and reduce the curing speed.

Please note

ARDEX SE Sanitary Silicone is waterproof and prevents water from penetrating the joint. However, it cannot replace necessary waterproofing measures.

ARDEX SE cannot be painted over and should not be used for joints in building construction. ARDEX SE is suitable for edge joints in floor areas, but not for floor joints subject to heavy mechanical stress.

Despite the fungicidal properties, care must be taken in sanitary facilities to keep the joints clean using standard cleaning agents, as dirt and soap deposits can serve as a breeding ground for fungi and algae. It is also advantageous to wipe the joints dry and clean them from time to time with a suitable disinfectant, depending on the level of exposure.

Opened cartridges can be stored for several days if the nozzle opening is sealed with a sealant plug. The plug can be easily removed before further processing.

Fresh contamination can be removed immediately with thinner. After hardening, this is only possible by mechanical

scraping, provided that the substrate is suitable for this. For painted substrates and plastic substrates, we recommend a prior adhesion and compatibility test. Discolouration or loss of adhesion may occur if ARDEX SE comes into contact with bituminous substrates. Discolouration may occur when using cleaning agents and disinfectants that release iodine.

Not suitable for the following substrates: bitumen, butyl, EPDM, rubber, polyethylene, marble and natural stone, neoprene, tar, Teflon, elastic floor coverings, parquet floors and hot-dip galvanised drain grates. ARDEX SE does not adhere to polyethylene and Teflon. The other substrates mentioned may cause discolouration of the sealant.

ARDEX ST Natural Stone Silicone is recommended for natural stone coverings.

Open-pored tiles and slabs should be masked with a suitable, smooth adhesive tape. Smoothing agents must not be allowed to get onto the surface of these slabs and dry, as this may cause staining.

Elastic joints in accordance with the scope of the IVD data sheet require permanent maintenance and care. Maintenance joints are defined as all joints that are exposed to strong chemical and/or physical influences and whose sealants must be checked at regular intervals and replaced if necessary to prevent consequential damage. See also "Maintenance joint" in ÖNORM B3407. This also includes joint breaks due to screed cupping, excessive stress and changes caused by other external influences that exceed the permissible total deformation of the sealant. Additional loads occur when permanent and difficult-to-control chemical stresses (water, cleaning agents, dirt deposits) and/or constant mechanical stresses (cleaning, walking, driving) are to be expected. Defects caused by this do not justify complaints, as they cannot be prevented within the scope of the workmanship. Unless otherwise agreed, the joint shall be checked regularly by the client, operator or their representative. This does not constitute a maintenance contract or regular inspection by the contractor. Any renovation costs incurred shall be borne by the client ("costs incurred in any case").

Since a larger adhesive surface width is recommended for acrylic tubs in particular due to their higher deformation, but is usually rejected for aesthetic reasons, this joint in particular must be considered from the point of view of a maintenance joint.

Note

The information in our safety data sheets must be observed. For commercial use only!

Zusatzinformation

Handle with care during processing: avoid dust formation and release into the environment.

Dispose of the container and its contents in a sealed state in accordance with applicable local/regional/national/international regulations.

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Technical data according to ARDEX quality standard

Consumption	Consumption 12 Running metre, per cartridge for 5 x 5 joints 3 Running metre, per cartridge for 10 x 10 joints 24 Running metres, per cartridge for 5 x 5 triangular joints 6 Running metres, per cartridge for 10 x 10 triangular joints
Base	Silicone, acetic acid curing
Consistency	Paste-like
Joint width	Joint width 30 mm
Processing temperature	+5°C to +40°C
Resistance to temperature	-40°C to +180°C
Specific weight	1.0 g/cm ³
Practical stretch capacity approx.	25 % of joint width
E-modulus	0.4 N/mm ² (DIN EN 28339 Method A)
Shore A hardness approx.	25

Application properties

Skin formation time approx.	10 - 12 Minute(s)	
Through hardening	Through hardening	Time
	2 mm	Per day
	7 mm	Per week
Application Ambient conditions	+23°C / 50% RH	

Product details

Labelling according to GHS/CLP	See relevant safety data sheet
Labelling according to ADR	See relevant safety data sheet
EMICODE	EC 1 PLUS = very low emissions PLUS
Packaging	Cartridge with 310 ml net, packed in 12 or 20 pieces
Storage	Store in dry rooms. Store in a cool place. Can be stored for approx. 24 months in the original sealed container.

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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
Water tightness and air tightness	
Resistance to flow:	≤ 3 mm
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)