



ARDEX STC SEALANT

Two-component sealing compound, PU

- Self-levelling
- Solvent-free
- Highly flexible and crack-bridging
- Chemical resistant



Area of application

Outdoors, walls and floors.

ARDEX STC SEALANT is used for waterproofing floors and vertical surfaces under ARDEX stoneCARPET floors on paths, balconies and terraces.

Art

ARDEX STC SEALANT is a light grey, self-levelling, solvent-free, 2-component polyurethane waterproofing. The waterproofing has very good levelling and smoothing properties and cures without shrinkage.

Preparation of the surface

The dry substrate must be free of dirt and release agents and must be of sufficient strength and load-bearing capacity to withstand the expected stresses.

Substances that reduce adhesion, such as grease, oil and paint residues, must be removed beforehand using suitable measures.

Furthermore, the substrate must comply with the currently valid ÖNORM standards and regulations.

The surface gradient of the substrate must be at least 2% in outdoor areas.

The substrates to be coated must be prepared mechanically (e.g. by shot blasting). The prepared surface must be carefully primed, saturated and free of pores, and sprinkled with an excess of fire-dried quartz sand 0.3 - 0.9 mm (e.g. with ARDEX EP 2000 Multifunctional Epoxy Resin or with ARDEX

PU 30 1K-PU Primer). After drying, the unbound quartz sand is vacuumed off. Therefore, a scratch coat is recommended, also to smooth the substrate. If the substrate has not been primed to be non-porous, bubbles and pores may form in the coating due to air rising from the substrate. In case of doubt, a test area is recommended.

Processing

ARDEX STC TAPE self-adhesive sealing tape is applied to all required areas before the first coat of ARDEX STC SEALANT is applied and then completely covered with the waterproofing. ARDEX STC TAPE self-adhesive sealing tape is a 15 cm wide butyl sealing tape with a fleece backing.

In combination packs, the factory-weighed material is supplied in a working pack in exactly the right mixing ratio. The container for component A has sufficient volume to hold the entire quantity. Component B (hardener) is emptied completely into component A (resin). Mixing is carried out mechanically with a slow-running stirring device (e.g. COLLOMIX Xo4) and should take 3 minutes until a homogeneous, streak-free mass is obtained.

To avoid mixing errors, it is recommended to always transfer the resin/hardener mixture to a clean container and mix again briefly. If only part of the mixture is used, the individual components must be stirred and weighed in the correct mixing ratio. ARDEX STC SEALANT is applied in two coats. The total consumption is approx. 2.5 – 2.8 kg/m². This

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consumption rate results in an average dry film thickness of approx. 1.5 mm.

The first coat is applied immediately after mixing with a squeegee or notched trowel (TKB S6), spreading an evenly thick layer onto the prepared, primed substrate (consumption approx. 1.5–2.0 kg/m²).

The product is designed for optimum ventilation.

Nevertheless, rolling with a spiked roller is recommended to improve wetting of the substrate, optimise flow and remove air bubbles. Rolling with the spiked roller should be carried out after 10–20 minutes.

To ensure a smooth finish, always work "fresh on fresh" and define the work areas before starting work. The second coat is applied at +20°C after a waiting time of 24–28 hours in the same way as the first coat (consumption approx. 0.8–1.0 kg/m²). After a waiting time of 24 hours, ARDEX stoneCARPET floor can be applied to the sealed surface. If this cannot be guaranteed, the second coat must be sanded with 0.3–0.9 mm fire-dried quartz sand while still liquid to improve adhesion

Please note

ARDEX STC SEALANT cannot be used as a substitute for structural waterproofing, such as that required for terraces above inhabited rooms.

The floor and air temperature must not be below +10°C and the air humidity must not exceed 75%.

The material to be processed must be at room temperature during application. Do not apply in strong solar radiation or on

heavily heated surfaces, as this will significantly reduce the working time and may cause blistering.

Polyurethane coatings are sensitive to moisture when fresh, so the specifications for air humidity must be strictly observed.

Exposure to water and chemicals should be avoided during the first 7 days.

The specified hardening times refer to +20°C. Higher temperatures shorten, lower temperatures extend the working time.

If the processing conditions are not observed, deviations in the technical properties of ARDEX STC SEALANT may occur.

Tools can be cleaned with ARDEX CW cleaning cloths or ARDEX RTC tool cleaner while still fresh.

Note

The information in our safety data sheets must be observed.

For commercial use only!

Important: Since 24 August 2023, appropriate training must be provided before industrial or commercial use. Further information can be found at www.ardex.at/de/ardex-diisocyanate.

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.

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 6 Weight components 100 RT	Component B 1 Weight components 20 RT
Material requirement approx.	Consumption 2.8 kg/m²	Condition For 1.5 mm dry film thickness in 2 coats
Density	1.42 kg/l	
Solids content	100 %	
Viscosity	Approx. 2,500 mPa.s	
Colour	Light grey	
Pot life	30 Minutes	
Processing temperature	+10°C to +30°C	
Cleaning agents	ARDEX CW cleaning cloths, ARDEX RTC tool cleaner	
Application properties		
Mechanically loadable after approx.	2 - 3 Day(s)	
Chemically resistant after approx.	7 Day(s)	

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Can be walked on after approx.	Time	Condition
	12 - 14 Hours	At +30°C
	24 - 28 Hours	At +20°C
	36 - 48 Hours	At +10°C
Application Ambient conditions	+20°C	
Product details		
Contain diisocyanates	Yes	
Labelling according to GHS/CLP	See relevant safety data sheet	
Labelling according to ADR	See relevant safety data sheet	
Packaging	Container with 10 kg net	
Storage	Can be stored in cool, dry rooms for approx. 12 months in the original sealed container. Store in a frost-free place.	