



ARDEX STC BINDER PU

Bonding compound PU

- Single-component
- UV-stable
- Chemical resistant
- Universally applicable



Area of application

Indoor and outdoor. Walls and floors.

ARDEX STC BINDER PU is used as a primer and binder when laying ARDEX stoneCARPET indoors and outdoors, as the binder does not yellow even under UV radiation.

Suitable substrates are:

- Concrete and floor screed (indoor and outdoor)
- Tiles, natural stone (indoor and outdoor)
- Wooden floors (interior)
- Calcium sulphate screed (interior)

Special training is required for the application of ARDEX stoneCARPET INDOOR (system partner).

Art

ARDEX STC BINDER PU is a UV-stable, hard-elastic, 1-component polyurethane binder with medium viscosity. ARDEX STC BINDER PU cures by chemical cross-linking, thus becoming a very wear-resistant binder.

Preparation of the surface

The dry substrate must be solid, load-bearing, torsion-resistant, free of dust, contaminants and release agents. The substrates and slopes must comply with the currently valid standards and data sheets. For existing natural stone or tile floors, it is recommended to sand them mechanically and then clean them thoroughly (e.g. with LITHOFIN MN Basic Cleaner). For indoor use, prime with ARDEX STC PRIMER EP (see data sheet).

For waterproofing measures in shower areas or outdoor areas, suitable ARDEX waterproofing compounds must be applied before installation.

Processing

ARDEX STC BINDER PU binder is mixed with the sieved, kiln-dried aggregate.

Suitable aggregates are:

- ARDEX STC QUARTZ NATURAL
- ARDEX STC QUARTZ COLOURED depending on suitability
- ARDEX STC QUARTZ PEARL for interior use only
- ARDEX STC MARBLE

We recommend using a slow-running mixer with double mixing arms, e.g. COLLOMIX Xo-R.

For walls, mix ARDEX STC BINDER PU with ARDEX STC VISCO T thickener and prime the entire substrate with a roller or brush. The mixing ratio for this is: 1 kg ARDEX STC BINDER PU to 0.6 litres ARDEX STC VISCO T. The consumption as a primer is between 550 and 650 g/m².

For the installation surface, ARDEX STC BINDER PU is mixed with the desired aggregate. The amount of binder used for the floor is 5% of the weight of the aggregate. The amount of binder used for the base area is 10% of the weight of the aggregate. Stir thoroughly (at least 3 minutes mixing time) until the aggregate is evenly coated with the binder. Then spread the mixture over the installation surface and smooth with a trowel to the desired layer thickness.

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If the mixture is not pressed down sufficiently, the result will be an open and very rough structure.

To make laying easier, a little clean water can be sprayed onto the smoothing trowel. Avoid high concentrations of ARDEX STC BINDER PU on the aggregates or on the substrate to prevent foaming. A minimum layer thickness of 6 to 8 mm must be maintained. Higher temperatures shorten the working time, lower temperatures extend it. ARDEX STC BINDER PU is resistant to standard cleaning agents.

The following measures must be observed:

- Mix well.
- Only mix the amount of material that can be processed immediately.
- The mixture must then be applied to the surfaces and spread as quickly as possible. Another option is to work with a levelling board.
- During processing, a thicker layer of binder may settle on the floor or sides of the bucket or tub. This binder must be removed regularly and must not be used again. If the mixture of binder and aggregate has been left to stand for too long, the mixture should be stirred again before further processing.
- The surface must not be wetted with water before it is completely dry.

Sealing

Sealing results in a surface whose pores are largely closed. Sealing is particularly recommended in kitchens, toilets and bathrooms.

The pores are sealed with ARDEX STC FILLER. In addition, the surface can be protected against dirt with ARDEX STC COAT ETC.

Sealing is not recommended for outdoor use.

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 prior to 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

Material requirement approx.	Consumption	Condition
	550 - 650 G/m	As a primer coat
	10 % of the weight of the aggregate	As a binding agent in wall areas
	5 % of the weight of the aggregate	As a binding agent for the floor
Solids content	100 %	
Dilution	None required	
Viscosity	Approx. 3,000 mPa.s	
Colour	Colour Transparent	
Processing temperature	+10°C to +30°C	
Cleaning agents	ARDEX RTC Tool Cleaner	

Application properties

Processing time approx.	25 - 45 Minute(s)
Can be walked on after approx.	6 Hour(s)
Mechanically loadable after approx.	2 Day(s)
Chemically resistant after approx.	7 Day(s)
Application Ambient conditions	+20°C

Product details

Contain diisocyanates	Yes
VOC value max.	< 1%
Flash point	+200°C



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Labelling according to GHS/CLP	See relevant safety data sheet
Labelling according to ADR	See relevant safety data sheet
Packaging	Containers with 5 kg and 21 kg net weight
Storage	Can be stored in cool, dry rooms for approx. 12 months in the original sealed container. Store in a frost-free place.