



ARDEX PU 30

1-K PU primer

- Quick-drying
- Can be edited after one hour
- 1-component (ready to use)
- Low viscosity, high penetration capacity
- Versatile and easy to apply
- Very low emissions
- Water and solvent free



Area of application

Indoor and outdoor use. Floors.

1-component, versatile reaction resin primer based on polyurethane as a primer, barrier primer and consolidator on smooth and dense substrates.

- Barrier against excessive residual moisture in cement screeds and concrete floors up to max. 4 CM%
- Barrier against excessive residual moisture in cement screeds with underfloor heating up to 3 CM%
- Consolidation of worn edge areas on absorbent substrates such as calcium sulphate screeds and calcium sulphate self-levelling screeds, cement screeds and concrete floors

Primer and barrier layer against moisture penetration from above on absorbent and dense substrates such as:

- Concrete
- Cement, calcium sulphate, magnesia and stone wool screeds
- poorly sanded mastic asphalt screeds/old mastic asphalt floors

- Old substrates with firmly adhering levelling compounds and adhesive residues
- Old substrates with water-soluble adhesive residues such as sulphite-leached adhesives
- moisture-sensitive wooden substrates such as chipboard, OSB and hardboard
- Dry screed elements such as gypsum fibre boards
- old SMP adhesive residues
- ceramic tiles and slabs/terrazzo floors.

Quick primer under parquet floors in combination with ARDEX reaction adhesives.

Art

Solvent-free and very low-emission ready-to-use, 1-component reaction resin primer based on polyurethane resins. A moisture-hardening reaction produces a hard and dry film.

Preparation of the surface

Substrates and climatic conditions must comply with the requirements of ÖNORM B 2236 Installation of floor coverings. This does not apply to moisture-resistant substrates, which should be treated with two coats of ARDEX PU 30 1-K-PU primer to block excess residual moisture. Mechanically pre-treat calcium sulphate-bound floor screeds in accordance with the manufacturer's instructions and the currently valid standards and data sheets, and vacuum thoroughly. Cement slurry on

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concrete floors, old floor coverings and non-firmly adhering adhesive and levelling compound residues must be removed mechanically in a proper and professional manner. Floor coverings such as stone or tile floors must be thoroughly cleaned.

Processing

ARDEX PU 30 must be shaken well before use. Pour the liquid into a clean container as required and use within 60 minutes. In cold weather, the material must be brought to the right temperature beforehand. The processing temperature must be at least +10°C. Apply using a standard short-pile velour or foam roller in an even, thin layer. Avoid puddles to prevent the material from foaming and to ensure fast and even drying.

1. Barrier against excessive residual moisture in cement screeds and concrete floors; residual moisture content up to 4 CM%:

The substrate must be solid, load-bearing and free of release agents. The surface must be dry and easily wettable. ARDEX PU 30 1-K-PU primer is applied in two coats, each in a cross pattern. The total quantity of approx. 250 - 300 g/m² must be ensured for two coats. The second coat can be applied after approx. 60 minutes. Each coat must form a thin, closed film. To absorb levelling compound layers, after the second coat has dried completely (after approx. 60 minutes, but no later than within 24 hours), prime with ARDEX P 4 READY Multifunctional Primer. Alternatively, instead of the ARDEX P 4 READY bonding agent, a third coat of ARDEX PU 30 can be applied, followed by a generous sprinkling of dry quartz sand with a grain size of 0.3 - 0.9 mm. After drying for approx. 2 hours, sweep off and vacuum the excess sand.

2. Priming and strengthening substrates:

For priming and consolidation, the substrate, e.g. concrete, cement screed, calcium sulphate screed and calcium sulphate self-levelling screed, must be load-bearing and free of release agents. Calcium sulphate screeds must be sanded in accordance with the general rules of the trade. ARDEX PU 30 is applied in thin layers in a cross pattern. One coat is usually sufficient. For very porous or very absorbent substrates, a second coat may be necessary after the first coat has hardened. The penetration depth and application quantity depend on the absorbency and surface condition of the substrate. If necessary, test areas should be created. To absorb levelling compounds, apply ARDEX P 4 READY or sprinkle with quartz sand with a grain size of 0.3 - 0.9 mm in accordance with the above instructions.

3. Primer under ARDEX reaction adhesives:

ARDEX PU 30 1-K-PU Primer can also be used as a primer in direct combination with ARDEX reaction adhesives such as SMP and PU adhesives, depending on the condition and absorbency of the substrate. To do this, apply ARDEX PU 30 in a thin layer as described above. After a minimum drying time of 2 hours, but no later than 24 hours, direct bonding with ARDEX reaction adhesives must be carried out.

Please note

ARDEX PU 30 cannot be used in the presence of penetrating or rising damp or vapour diffusion. ARDEX PU 30 is not a substitute for building waterproofing.

In cold weather, bring ARDEX PU 30 1-K-PU Primer to room temperature in heated rooms. The processing temperature must not fall below +10°C. All data is based on approx. +20°C and a relative humidity of approx. 65%. Low temperatures and/or high humidity can delay curing. Before carrying out subsequent work, the primed surface must be dry and free of adhesive.

ARDEX PU 30 should be applied in a thin layer. Avoid puddles.

Do not dilute ARDEX PU 30 with water or solvents. Do not pour leftovers back into the original container. Allow the material to cure and then dispose of it properly.

After the layers have dried, direct bonding with ARDEX reaction adhesives must be carried out within 24 hours or a bonding agent must be applied with ARDEX P 4 READY multifunctional primer.

Two coats may be necessary on highly absorbent substrates. Do not use ARDEX PU 30 on floor coverings such as PVC, CV, rubber and linoleum.

Open containers must be sealed tightly and used up quickly.

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/en/ardex-diisocyanates/

Additional information

Take care when handling: avoid the formation of dust and its release into the environment.

Dispose of the container and its contents, once they have set, in accordance with the applicable local, regional, national and international regulations.

Technical data according to ARDEX quality standard

Material requirement approx.

Consumption

100 - 150 G/m
250 - 300 G/m

Condition

For a single coat as a primer
When applied twice as a moisture barrier

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Application properties

Processing time approx.	60 Minute(s)	
Can be walked on after approx.	40 - 50 Minute(s)	
Drying time approx.	Time 1 Hour 2 Hours	Condition As a primer coat For layers that have been quartz-treated

Product details

Contain diisocyanates	Yes
Suitable for underfloor heating	Yes
Labelling according to GHS/CLP	See relevant safety data sheet
Self-service regulation	2
Labelling according to ADR	See relevant safety data sheet
EMICODE	EC 1 PLUS = very low emissions PLUS
GISCODE	RU1 = solvent-free polyurethane installation materials
Packaging	Canister with 11 kg net
Storage	Can be stored in dry rooms for approx. 18 months in the original sealed container. Store in a frost-free place. Store in an upright position.