



ARDEX PU 30

Single-component polyurethane primer

- Quick drying
- Reworkable after one hour
- Single-component (ready to use)
- Versatile and easy to apply
- EMICODE EC1 PLUS, very low emissions
- Water- and solvent-free
- Penetrates the substrate to block capillary moisture



Area of application

Single-component, versatile polyurethane-based reaction resin primer for use as a primer, barrier primer and consolidator on absorbent and non-absorbent substrates.

- Barrier against excessive residual moisture in cement screeds and concrete floors up to max. 6 CM-%, 98 rH%
- Barrier against excessive residual moisture in cement screeds with underfloor heating up to 3 CM-%, 85 rH%
- Consolidation of sore edge zones on absorbent substrates such as calcium sulphate screeds and calcium sulphate flowing screeds, cement screeds and concrete floors

Primer and barrier coat against the effects of moisture from above on absorbent and dense substrates such as:

- Concrete
- Cement, calcium sulphate, magnesia and stone wood 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 blue stain 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.

Barrier against excessive residual moisture in cement screeds and concrete floors up to max. 6 CM-%, 98 rH%. Primer on moisture-sensitive substrates. Consolidation of absorbent substrates. Primer on new and old substrates. Quick primer under parquet floors in conjunction with ARDEX reaction adhesives.

Substrate Preparation

Prior to the application of ARDEX PU 30 the surface must be clean and free of dust, dirt, oil, grease, release agents and other barrier materials. Mechanically prepare the surface and thoroughly vacuum prior to application.



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OHS 628374

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Mechanically pre-treat calcium sulphate-bound screeds in accordance with the manufacturer's instructions and the currently applicable standards and data sheets and vacuum thoroughly. Cement slurries on concrete floors, old coverings and adhesive and levelling compound residues that are not firmly adhering must be removed mechanically and professionally. Floor coverings such as stone or tiled floors must be thoroughly cleaned.

Processing

ARDEX PU 30 must be shaken well before use. The Liquid must be poured into a clean container as required and applied before curing. In cold weather, the material must be sufficiently tempered beforehand. The processing temperature must be at least +15°C. Apply using a commercially available short-pile velour or foam roller in an even, thin application film. Puddle formation must be avoided to prevent foaming of the material and to ensure rapid and even drying.

- 1. Blocking of excessive residual moisture in cement screeds and concrete floors; residual moisture content up to 6 CM-%, 98 rH%:** The substrate must be firm, stable and free of release agents. The surface must be dry and well wettable. ARDEX PU 30 is applied in two coats in a cross-coat pattern. The total quantity of approx. 300 g/m² for two coats must be ensured. The second coat can be applied after approx. 60 minutes. Each coat must form a thin and closed film. To take up layers of levelling compound, prime with ARDEX P 7 Ready-to-use Primer after the second coat has dried completely after approx. 60 minutes, but within 24 hours at the latest.

Alternatively, instead of the adhesion promoter ARDEX P 7, a third coat of ARDEX PU 30 can be applied, followed by a fully saturated scattering of dry quartz sand with a grain size of 0.3-0.9 mm. After drying for approx. 2 hours, sweep off and vacuum off the excess sand.

- 2. Priming and consolidation of substrates:** For priming and consolidation, the substrate such as concrete, cement screed, calcium sulphate screed and calcium sulphate flowing screed must be stable and free of separating agents. Calcium sulphate screeds must be sanded in accordance with the general rules of the trade. ARDEX PU 30 is applied in a thin cross-coat.

As a rule, one coat is sufficient. In the case of very porous or very absorbent substrates, a second coat may have to be applied after the first coat has hardened.

Penetration depth and application quantity depend on the absorbency and surface condition of the substrate. If necessary, create test areas. ARDEX P 7 must be applied to absorb levelling compounds or scattered 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:

Depending on the nature and absorbency of the substrate, ARDEX PU 30 can also be used as a primer in direct combination with ARDEX reaction adhesives such as SMP and PU adhesives. For this purpose, ARDEX PU 30 is applied in a thin layer as described in the instructions above. After a minimum drying time of 2 hours, but within 24 hours at the latest, direct bonding with ARDEX reaction adhesives must be carried out.

Please note

ARDEX PU 30 cannot be used in the case of penetrating, post-displacement moisture and vapour diffusion. ARDEX PU 30 does not replace structural waterproofing.

In cold weather, temper ARDEX PU 30 in heated rooms. The processing temperature must not fall below +15°C. All specifications are based on approx. +20°C and a relative humidity of approx. 65 %. Low temperatures and/or high humidity can delay curing. The primed surface must be dry and tack-free before carrying out any subsequent work. ARDEX PU 30 must be applied in thin layers. Avoid the formation of puddles.

Do not dilute ARDEX PU 30 with water or solvents. Do not pour residues into the original container. Allow the material to harden and then dispose of properly. After the layers have dried, direct bonding with ARDEX reaction adhesives is possible within 72 hours. If a bonding bridge is required for subsequent levelling, ARDEX P 7 must be applied within 24 hours.

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

Opened containers must be tightly closed and used up promptly.

Note

Keep out of the reach of children. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.



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Wear protective gloves/eye protection. Vapour/aerosol do not inhale.
IF ON SKIN: Wash with plenty of soap and water. IN CASE OF
CONTACT WITH EYES: A few minutes

Rinse carefully with water for a long time. Remove any contact lenses
if possible. Continue rinsing. Dispose of
contents/container in accordance with
local/regional/national/international regulations. Empty
container drip-free.

Technical data according to ARDEX quality standard

Material requirement approx.	Consumption 100 - 150 g/m ² 250 - 300 g/m ²	Condition for single application as primer with double application as a moisture barrier
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 quartz-coated layers
Product details		
Suitable for underfloor heating	yes	
Labelling according to GHS/CLP	Labelling according to GHS/CLP GHS07 "Irritant", GHS08 "Harmful", Signal word: Danger	
Labelling according to ADR	Labelling according to ADR none	
EMICODE	EC 1 PLUS = very low emission	
GISCODE	RU1 = solvent-free polyurethane installation materials	
Packaging	Canister with 11 kg net	
Storage	Can be stored frost-free for 18 months in the original sealed container. Store upright.	

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

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