



ARDEX PU 30

Polyurethane Primer & Green Slab Sealer

1-component: ready for use

Priming of old and new substrates

Priming of porous and non porous substrates

Suitable as a green slab sealer up to 98% RH

Penetrates the substrate to block capillary moisture

Fast priming together with ARDEX reaction adhesives

Low emissions, water and solvent free



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ARDEX PU 30

Polyurethane Primer

DESCRIPTION

ARDEX PU 30 is a one-component polyurethane primer and green slab sealer for use on internal and external porous and non-porous substrates.

ARDEX PU 30 penetrates the surface of the substrate blocking capillary moisture up to 98% RH, while strengthening and consolidating the surface up to 2mm in depth..

USE

Absorbent, smooth and dense surfaces such as concrete, green concrete, floor levelling compounds, fibre cement sheet, fibre cement sheet underlay, sheet timber, plaster, ceramic tiles and terrazzo floors.

As a green slab concrete sealer: A one coat application is required for concrete with less than 90% RH and a two coat application is required for concrete with up to 98% RH.

ARDEX PU 30 is suitable to prime and be used as a moisture suppressant for ARDEX polyurethane-based flooring adhesives, and when sand broadcasted is suitable under ARDEX levelling compounds.

SUBSTRATE PREPARATION

The subfloor must be sound, load-bearing and barrier free. Exempt from this is only the residual humidity contents of the substrate if ARDEX PU 30 is used to seal the moisture vapor in a two coat application. Mechanically pretreat and thoroughly vacuum-clean calciumsulphate based screeds according to manufacturer's specification or according to the currently applicable standards and codes of practice.

Cement slurries on concrete floors, existing floor coverings as well as not well adhered adhesive residues have to be removed mechanically.

Existing tile and stone floors have to be cleaned with a base cleaner.

APPLICATION

Shake ARDEX PU 30 well before use. Pour the primer into a clean vessel and apply within 60 minutes. The application has to be done with standard short pile rollers.

As a primer or a green concrete slab sealer with less than 90% RH:

Apply ARDEX PU 30 evenly with a short nap roller or

foam roller in a thin layer so as to avoid puddles. Apply to the surface at a rate of 100 – 150g/m².

As a primer or a green concrete slab sealer with RH up to 98%:

Apply two thin coats of ARDEX PU 30 evenly with a short nap roller or foam roller in a thin layer so as to avoid puddles. Apply the first layer to the surface at a rate of 100 –150g/m². Do not exceed this as thick layers can cause problems with subsequent vinyl application.

Once the first layer is dry (to light foot traffic) apply a second layer of the product at 90° to the first coat at a rate of 100 –150g/m².

After the primer has dried, and within 72 hours, direct adhesion is suitable with ARDEX polyurethane-based flooring adhesives. If 72 hours has elapsed, sanding of the surface and a further coat is required.

Under levelling cements:

If levelling over ARDEX PU 30, prime with ARDEX P 4 within 24 hours of applying final coat of ARDEX PU 30, alternatively, apply a third layer of ARDEX PU 30, and broadcast clean dry sand on the surface at a rate of 700 grams per square metre to achieve 100% coverage. Allow to dry and vacuum excess sand.

DRYING TIME

Ensure ARDEX PU 30 is completely dry before the application of ARDEX flooring adhesives, ARDEX P 4 or levelling compounds. At 23°C and 50% RH, allow each layer of ARDEX PU 30 a minimum of 45 minutes to dry. Allow a minimum of 2 hours for layers containing a sand broadcast.

Drying times are affected by the type of substrate, porosity and climatic conditions. At lower temperatures ARDEX PU 30 may take longer to dry.

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LIMITATIONS

ARDEX PU 30 may only be used to suppress capillary moisture. This product is not a waterproofing membrane or a moisture barrier and is not suitable for substrates subject to rising damp.

Do not use below 15°C. All values given refer to a temperature of 20°C and 65% RH. Lower temperatures and higher RH may slow down the drying of the product.

ARDEX PU 30 has to be applied in a thin layer. Avoid puddles. ARDEX PU 30 cannot be diluted with solvents or water.

ARDEX PU 30 cannot be used on floor coverings such as PVC-, CV-, rubber and linoleum.

Please use up once opened packaging quickly.

For situations with negative hydrostatic pressure ARDEX offer other solutions, please contact ARDEX Technical Services for advice.

TECHNICAL DATA

Material requirement:	100 - 150g/m ² in one coat as a primer 250 - 300g/m ² in two coats as moisture barrier
Trafficable	approx. 40 - 50 minutes
Drying time	approx. 1 hr as primer approx. 2 hrs with sand blinding
Suitable for under floor heating	yes

PACKAGING

Drum with net weight of 11 kg.

STORAGE AND SHELF LIFE

ARDEX PU 30 should not be stored in direct contact with sun and protected from freezing. When stored under the correct conditions and unopened, it has a shelf life of 12 months.

SAFETY PRECAUTIONS

Keep out of reach of children. Irritant: Avoid eye and skin contact. Use only in well ventilated areas. Keep container tightly closed. In case of contact with

eyes and skin, rinse with plenty of water. In event of irritation, seek for medical advice according to the material Safety Datasheet which is available online at www.ardex-quickseal.com.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to react our ongoing research and development program.

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