



ARDEX PU 30

Primer & Moisture Barrier

Priming of moisture sensitive substrates

Consolidation of absorbent substrates

Priming of old and new substrates

Priming absorbent and non-absorbent subfloors

1-component: ready for use

Low emissions, water and solvent-free



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ARDEX PU 30

Primer & Moisture Barrier

DESCRIPTION

Solvent free, low emission, one-component Polyurethane Primer and Moisture barrier for absorbent and non-absorbent subfloors. Due to the reaction with moisture a hard and dry film will be achieved.

USE

As a primer, moisture barrier and consolidation of smooth and dense substrates in interior and exterior situations.

- blocking excessive residual moisture in Sand Cement Screeds up to max. 98% RH
- priming of moisture sensitive old and new substrates
- consolidation of absorbent substrates.
- fast priming together with ARDEX reaction adhesives
- moisture barrier on screeds with under floor heating up to 85% RH
- primer and moisture barrier onto absorbent and non-absorbent substrates such as:
 - concrete
 - sand cement, magnesia and anhydrite screeds
 - mastic screes
 - old leveling compounds firmly adhered flooring adhesives etc.
 - moisture sensitive substrates such as OSB and hard fiber boards.
 - dry screed elements fiber reinforced plaster boards
 - old SMP-adhesive residues
 - ceramic tiles and terrazzo floors

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 calcium sulphate-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.

Avoid puddles this will affect the drying time.

1. Application as a moisture vapor barrier onto sand cement screeds and concrete floors with a moisture content up to 98% RH:

The substrate has to be dry and wet-able. Apply ARDEX PU 30 in two coats cross wise. A minimum amount of 250-300 g/m² for two coats has to be applied. The second coat can be applied after approx. 60 minutes. Each layer has to form a uniform thin film.

For the installation of Leveling compounds the second coat should be primed with ARDEX P7 earliest after 60 minutes but not later than 24 hours. As an alternative to the ARDEX P7 a third coat of ARDEX PU 30 with sand blinding with Quartz Sand size 0.3-0.6 mm. Please remove the excess sand after 2 hours by means of brush and vacuum cleaner.

2. Priming and consolidation of substrates: ARDEX PU 30 has to be applied in a thin layer cross wise. In general one layer will be sufficient. If very porous and absorbent substrates have to be primed a second coat should be applied.

Penetration depth and amount to be applied depends on the absorbency of the substrate. In doubt invest in trials. If levelers have to be applied use ARDEX P7 or sand blinding acc. to the recommendation above.

3. Priming below ARDEX reactive adhesives: ARDEX PU 30 has to be applied as above in a thin layer. After a minimum drying time of 2 hours, but within 24 hours the installation with the ARDEX adhesive should be done.

LIMITATIONS

To be observed: If permanent vapor or with developing moisture and water vapor ARDEX PU 30 cannot be used. ARDEX PU 30 is not a waterproofing product.

Do not use below +10°C. All values given refer to a temperature of +20°C and 50% RH. Lower temperatures and lower 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.

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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.

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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