

Technical Datasheet

PANDOMO Epoxy

Solvent- and colour pigment-free epoxy resin primer, EP NEW

- › Epoxy resin bonding bridge with a wide range of applications
In the system with PANDOMO® Floor, Loft and Studio floor coverings
- › In the system with PANDOMO® Floor, Loft and Studio floor coverings on Lindner FLOOR and more® cavity floors
- › Mechanically highly resilient, solvent- and colour pigment-free
- › Good adhesion to various substrates
- › Low viscosity with high penetration capacity
- › Very low emission (EC1PLUS)



Scope

For interior use. Floor surfaces.

Primer and bonding bridge for substrates made of concrete, cement screed and calcium sulphate screed

Art

PANDOMO® EP NEW is a solvent-free 2-component epoxy resin primer with a wide range of applications. The 10 kg unit consists of 7.5 kg resin (component A) and 2.5 kg hardener (component B).

Preparation of the substrate

The substrate must be solid, load-bearing, clean and free of release agents. Surfaces that are not sufficiently firm or dirty must be removed mechanically, e.g. by sanding, shot-blasting or milling.

After pre-filling with PANDOMO® K3/K1, application can take place after approx. 1-3 days, depending on climate and application thickness.

On cement screeds and concrete floors, the primer can be applied at a moisture content of less than 2 wt% and on calcium sulphate screeds of less than 0.5 wt%; in both cases this also applies to constructions with hot water underfloor heating.

For fresh concrete subfloors, a minimum drying period of 28 days must be observed.

Processing

Open the resin and hardener cans, stir the resin (component A) using a spiral stirrer. Pour the hardener (component B) into the resin can. Mix resin and hardener with an electric stirrer at low speed (250-300 rpm) without streaking for at least 3 minutes until a homogeneous mixture is achieved in the container. Transfer the mixed material into a clean container and stir intensively again. Any residues remaining in the container after repotting must not be used in further processing. Partial quantities may only be mixed in the correct weight ratio.

Priming coat

The primer coat is best applied with a short pile roller. Apply PANDOMO® EP NEW carefully in a crosswise direction to the substrate. A uniform application thickness of 200 g/m² must be ensured.

Depending on the subsequent floor systems, the fresh resin must be fully sanded with ARDEX QS or PANDOMO® HG.





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Processing conditions: Processing in combination with Lindner FLOOR and more®:

When using PANDOMO® EP NEW in conjunction with Lindner FLOOR and more® hydro and power, pre-filling of the substrate is not necessary. PANDOMO® FAM Fibre Reinforced Glass Mesh is laid flat with an overlap of 5 cm on the clean, level and dry substrate.

When laying out the fabric sheets, make sure that the subsequent trowel movement does not take place against the fabric sheet overlap, as the glass fibre mesh is not resistant to displacement. As a rule, the sheet is laid out starting in the entrance area and then the overlap is selected so that when applying the epoxy resin, work is always carried out from the upper to the lower sheet (working direction).

Subsequently, PANDOMO® EP NEW is applied in full saturation using a rapid trowel (spring trowel). The material requirement is approx. 600-800 g/m².

For subsequent levelling with PANDOMO® Floor (Floor Plus), sand the fresh PANDOMO® EP NEW surface over the entire surface with PANDOMO® HG or ARDEX QS. Unbound sand must be removed the next day.

For a subsequent filling with PANDOMO® Loft, the PANDOMO® EP Patch Product Data Sheet must be observed. The material, air and substrate temperature must be at least +15°C and max. +30°C. The relative humidity must not exceed 80%. The substrate temperature must be at least +3°C above the dew point temperature. Excessive or too low temperatures reduce the flow properties.

Safety/disposal notice:

Component A:

Causes skin irritation. May cause allergic skin reactions.
Causes severe eye irritation Toxic to aquatic life with long lasting effects.

Keep out of the reach of children.

Wear protective gloves, clothing, eye protection, face protection.

If skin irritation or rash occurs: Seek medical advice/attention.

If eye irritation persists: Seek medical advice/attention.

Dispose of contents/container to a hazardous or special waste collection point in accordance with local, regional, national and/or international regulations.

Contains epoxy compounds. May cause allergic reactions.

Component B:

Harmful if swallowed or in contact with skin.

Causes severe skin burns and eye damage.

May cause allergic skin reactions.

Harmful to aquatic organisms, with long lasting effects.

Avoid inhalation of dust, fumes, gas, mist, aerosol, vapour.

Wear protective gloves, clothing, eye protection, face protection.

IF INHALED: Remove the person to fresh air and ensure unobstructed breathing.

IF ON SKIN (or hair): Remove all contaminated clothing immediately. Wash skin with water/shower. Immediately call POISON CENTRE, doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing. Immediately call a POISON CENTRE, doctor.

Dispose of contents/container to a hazardous or special waste collection point in accordance with local, regional, national and/or international regulations. Contains epoxy-compounds. May cause allergic reactions

To be noted:

For commercial use only.

PANDOMO® EP NEW can be processed immediately and quickly after mixing. The end of the working time / pot life of approx. 30 min. is not visually recognisable. Exceeding this time will result in low strength and loss of adhesion. Ensure good ventilation during the drying and hardening phase. All guaranteed properties are determined in combination with the corresponding sands and ARDEX accessories. The use of other sand types or other accessories may influence the product properties.

Disposal:

Information on disposal can be found in the safety data sheet.





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Technical Specifications According to ARDEX Quality Standards:

Mixing ratio	As indicated on the packaging
Specific weight	Component A 1.11 kg/l Component B 0.98 kg/l
Coverage	At least 200 g/m ² / per application (depending on the absorbency of the substrate).
Working temperature	Between +15°C and +30°C
Working time*	approx. 30 minutes
Walkability*	after approx. 8 hours
Further processing*	after approx. 8-12 hours.

* These are approximate values calculated in laboratory conditions at +20°C temperature and 65% relative humidity. Environmental and atmospheric conditions may alter these values. High temperatures and lower relative humidity shorten these durations, while lower temperatures and higher relative humidity extend them.

Product details

Suitable for underfloor heating	Yes
GHS/CLP classification	<u>Component A</u> GHS07 "irritant" GHS09 "harmful to the environment", Word of warning: Caution <u>Component B:</u> GHS05 "corrosive", GHS07 "irritant", GHS09 "harmful to the environment" Signal word: Danger
EMICODE:	EC 1 ^{PLUS} , very low emission
Packaging	10 kg unit, two-component container with 7.5 kg component A and 2.5 kg Component B
Storage and Shelf Life	24 months in the original sealed container between +5°C and +30°C storable. Settling of the material during storage is without significance for the quality