



Bona R410

2-Component Epoxy Resin



Bona R410 is a solvent and water free two-component epoxy resin for priming, hardening and sealing substrates, or for damp-proofing concrete floors and cementitious substrates up to 5 CM% (90 % rH). It can also be used as a primer before using Bona reactive PUR- or silane-based adhesives or the Bona levelling compounds. After thinning with ethanol, the primer is also suitable for the reinforcement of slightly weak subfloors.

- Solvent free
- Excellent adhesion to many substrates
- Application possible with a paint roller, brush or trowel
- Suitable for underfloor heating

Technical Data

Base: Epoxy resin

Color: Transparent

Viscosity: Easy to apply

Density: 1.1 g/cm³

Consumption: ca. 150-250 g/m² as a primer, ca. 500 g/m² as a moisture barrier

Dilution: ca. 20 % Bona S100

Cleaning agent: Bona Cleaning Wipes, solvents like ethanol or acetone. Hardened material can only be removed mechanically

Drying time: ca. 24 hrs. at 20°C and 50 % rH

Pot life: ca. 20 min, ca. 40 min with 20 % Ethanol

Application: Mohair roller, brush, trowel

GISCODE: RE1

Storage / transport: The temperature must not fall below +5°C or exceed +25°C during storage and transport. Store in a dry, well ventilated place.

Shelf life: 12 months from date of production in unopened original container.

Pack size: 5 kg combination package

Additional detailed information is noted in the appropriate Safety Data Sheet

Subfloor Preparation

The substrate must be even, totally dry, clean, free from cracks and physically sound. The surface should also be slightly textured. If necessary, it should be professionally prepared for laying.

Suitable Subfloors

- Suitable substrates (also in association with underfloor heating) are:.
- Cementitious screed (CT) according to EN 13813
- Calcium sulfate screed (CA) according to EN 13813
- Mastic asphalt screed (AS) according to EN 13813
- Wooden substrates
- Chipboards (P4-P7) or OSB 2 – OSB 4 boards, screwed tightly
- Concrete



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Processing

Before using the primer the following climatic conditions must be met (values for Central Europe):
Air temperature: min. 18°C Floor temperature: min. 15°C (with underfloor heating max. 20°C) R.H: max. 70% The primer itself must, if necessary, be brought to the right temperature
=> when warm, it reacts more quickly,
=> when cold, it reacts more slowly.

The resin and hardener components are supplied in the correct proportions. Add component B (in the cover unit) completely to component A (bucket) and mix thoroughly, e.g using a drilling machine with a stirrer.

The pot life of the mixed primer is approx. 20 minutes and it is therefore important to ensure that it can be used within this time. Apply the primer to the substrate using a mohair roller, brush or trowel. N.B. The tools to be used must be clean. Contamination from any residues may affect the properties of Bona R410.

If used just as a primer, apply one layer and broadcast dry quart sand (grit size 0.3-0.8 mm) into the drying film, if the respective Bona parquet adhesives cannot be used within 24 hours after the epoxy film has been fully cured.

When used for damp-proofing (only on concrete and cement creeds) the primer must be generously applied twice and in alternate directions. Wait until the primer has started to react (2 to 3 hours) before applying the second coat. Broadcasting of sand is also not necessary, if you install the wooden floor within 24 hrs. epoxy film has been fully cured.

Once quart sand has been applied, brush off the excess sand, rub with a stone for loosening unattached sand and remove excess sand with a vacuum cleaner.

Note: For the following application of a levelling compound broadcasting of quart sand is obligatory.

Alternatively, you can use Bona D520. Please refer to the separate product information.

For in-depth priming add approx. 20% ethanol, mix thoroughly, and apply. If necessary, follow with an application of the non-thinned mixture (without ethanol) and broadcast sand into the drying film. The diluted material has a pot life of 40 minutes.

Consumption

Approx. 150-250 g/m² (primer)
Approx. 500 g/m² (damp-proofing)

Bona takes only responsibility for the delivered product, no responsibility can be taken for the total installed product. If in doubt, conduct a test or a trial. Observe also other Bona product datasheets.