Bona R410

Technical data sheet

Fastening

R410 is a solvent and water free two-component epoxy resin for priming, hardening and sealing substrates, or for damp-proofing concrete floors and substrates up to 5 CM%. It can also be used as a primer before using R770, R777and R840, R850, R850T or levelling compounds and, after thinning with S100, for hardening of the sub floor. In many cases (see Site work) broadcasting of sand in the last application is necessary.

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

Technical data

Base:	Epoxy resin.
Colour:	Uncoloured.
Viscosity:	Easy to apply.
Density:	1.1g/cm³.
Cleaning agent:	S100. After hardening can only be removed by abrasion.
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.
UN:	3082 (component A), 2735 (component B).
Pack size:	5 kg combination package (75 per pallet).

Additional detailed information is noted in the appropriate Safety Data Sheet.

Preparations

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 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
- Chipboard (V100
- Magnesia floors
- Heated floors

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Application

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 roller, brush or trowel.

N.B. The tools to be used must be clean. Contamination from any residues may affect the properties of R410.

If used as a primer, apply one layer and broadcast sand into the drying film. If R770, R777 or R840, R850, R850T are to be used for gluing afterwards, the use of sand is not necessary.

For in-depth (approx. 1-2 mm) priming add approx. 20% S100, mix thoroughly and apply. If necessary, follow with an application of the non thinned mixture (without S100) and broadcast sand into the drying film.

With S100 added the pot life is 40 minutes.

When used for damp-proofing (only on concrete and cement/sand screeds) the primer has to 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. After applying the second layer, broadcast sand- 2 kg/m² dry quartz sand (grain size 0.3-0.8 mm).

Brush off the excess sand, rub with a stone for loosening unattached sand and remove excess sand with a vacuum cleaner.

Drying time: Approx. 24 hours

Please also refer to the instructions for use provided by the parquet manufacturer.

Coverage

Primer / Surface hardener:	- Approx. 150-250 g/m²
Moisture Barrier:	- Approx. 500 g/m²

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.