WOOD FINISHES DIRECT

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For purchasing information visit:
Bona R410 DPM

Bona R410

Technical data sheet

Fastening

Bona R410 is a two-component epoxy resin used for priming and strengthening weak substrates as well as functioning as a moisture barrier on damp concrete floors with a moisture content of up to 5 CM%.

- Excellent adhesion to many substrates
- High moisture isolating properties
- Easy to apply with roller, brush or trowel
- Fast drying

Technical data

Product base:	Epoxy resin
Colour:	Transparent
Viscosity:	Low, easy to apply
Density:	1.1 g/cm³
Dilution:	Dilute with S100, max 20%.
Cleaning:	S100. Hardened epoxy can only be removed mechanically.
Drying time:	24-48 hours depending on air humidity and moisture content of the materials.
UN code:	3082 (component A), 2735 (component B)
Storage/transport:	The temperature must not fall below +5°C or exceed +25°C during storage and transport. Store in a cool, dry, well ventilated place.
Shelf life:	12 months in unopened original container.
Pack size:	5 kg incl. component A & B (75 buckets per pallet)

Additional 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
- Concrete
- Magnesium floors
- Chipboard (V100)
- Other dry and sound sub-floors

Application

Before using R410 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)
- Relative air humidity: max 70%

The product in itself must, if necessary, be brought to room temperature. Warm product reacts more quickly whereas cold product reacts more slowly.

The resin and hardener components are supplied in the correct proportions. Add component B (in the cover) completely to component A (bucket) and mix thoroughly with a drilling machine and a stirrer. The pot life of the mixed product is approx. 20 minutes. Application must be carried out within this time.

Note: The tools to be used for the application must be very clean. Contamination from any residues may affect the properties of R410.

R410 as a primer for adhesives (150-250 g/m²)

Apply one layer of R410 using a roller, brush or trowel and allow to dry. See paragraph "Compatibility" below for adhesive recommendations.

R410 as moisture barrier (500 g/m²)

To function as a moisture barrier, R410 has to be generously applied twice in alternate directions. Only use moisture barrier on concrete and cement/sand subfloors. Allow at least 2 to 3 hours drying time between applications. During the application of the second layer, broadcast sand (2 kg/m² dry quartz sand (grain size 0.3-0.8 mm)) into the wet R410. Allow to dry (approx.. 24 hours). Brush off excess sand then rub the surface with a stone to loosen poorly attached sand. Remove the final excess with a vacuum cleaner.

R410 as surface reinforcement

R410 strengthens in itself but for better impregnation and strengthening of the subfloor, dilute R410 with approx. 20% S100 (increases pot life to 40 min). Mix thoroughly and apply. When dry and if necessary, apply a second coat of unthinned R410 and broadcast quartz sand into the wet R410.

Compatibility

Adhesives

Only use the following Bona adhesives directly onto R410:

R870T	R850T	R860	R845
R870	R850	R848	R844
R770	R777	R778	R848T
			Titan

It is possible to use other adhesives on R410 but in such case sand must have been broadcasted into the wet film to secure adhesion.

Levelling compounds

If R410 is used under a levelling compound then sand MUST have been broadcasted into the wet film to secure adhesion between the layers.

Bona can only take responsibility for the delivered product - no responsibility can be taken for the total installation. If doubt exists as to the suitability of the product to current site conditions, conduct a test before use. Information from other Bona product datasheets should be observed when and where appropriate.