

R580

Site Work

Surface preparation

The substrate must be even, clean, free from cracks and physically sound. Prior to application the floors must always be sanded, any laitance on top of the floor must have been removed, in case of concrete shoot blasting might be necessary. The surface shall not be "obviously wet". If necessary it should be professionally prepared for laying.

If the floor is uneven and a levelling with a levelling compound (H600 or H650) is needed, first the R580 shall be applied with a consumption of ~ 500 g/m². Afterwards quartz sand (grain size: 0.3 to 0.8 mm) shall then be broadcasted in excess (~ 2 kg /m²) in the fresh, wet primer. After hardening, surplus sand shall be removed by grinding, sweeping and vacuum cleaning, then the levelling compound is applied. Suitable substrates (also in association with underfloor heating) are:

- Cementitious screed (CT) according to EN 13813
- Concrete floors
- Calcium sulfate screed (CA) according to EN 13813 (only as a primer, not as a DPM!).

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 product is protected by a foil, which must be removed together with little amounts of hardened material prior to use. In case of the 6 kg packet, the little bag on top of the foil does contain water, which might be added to the product if used as a 2-component system.

Use as a 1 Component System:

The primer should be applied evenly using a notched trowel (TKB A3) or a flat trowel. To act as a damp proof membrane the consumption must be between 500 ... 1000 g/m². After ~ 6 hours setting time (the surface might still be sticky!), the parquet can be laid.

Use as a 2-Component System:

Add – while stirring - to the primer the total or parts of the content of the bag you did find on top of the foil (only for the 6 kg 2-C package!).

Higher amounts of water lead to an acceleration of the bonding process, lower amounts make the bonding process slower (for more details see the table below). After mixing cross-linking starts, the material has to be put to the ground inside the pot-life time of 20 min and has to be spread. In case sand has to be broadcasted, it shall be done in the following 20 min. After 4 hours the material has set, the adhesive can be spread on top and parquet can be laid.

Water in %	Water in g/(6 kg)	Pot-life time / min
0.5	30	40
1.0	60 (content of the bag)	20
1.5	90	2

Dilution: R580 can be diluted with up to 10 % of S100. This does reduce the viscosity strongly; porous substrates are then better filled.



Diluted material must be applied soon (0 .. 30 min) on the ground, it shall not be stored.

Other details of the product are described in an additional data sheet.

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.