

# Bona H650

## Technical data sheet

Bona H650 Speed is a rapid drying and hardening self levelling and smoothing compound specifically designed for areas where speed is essential for rapid renovation and repair work prior to using Bona R850 Speed.

It's special properties are:

- Ultra Rapid Drying, could be covered after app. 1 hour,
- Exceptionally fluid, applicable in a thickness from 1,5 to 10 mm\*, for bigger thickness the material could be spun out
- High strength and hardness
- Low shrinkage
- Complete crystallized binding of water (hydration).
- Installing wood floor using R850 Speed is only recommended after 1 hour when the thickness of the levelling compound does not exceed: 10 mm

### Technical data

Base:	Cement, art. Resins
Colour:	Grey
Consumption:	1.5 kg/(m <sup>2</sup> mm)
Pot life:	15 min
First load (walking):	after approx. 1 hours
Covering:	after approx. 1 hours
Emicode:	EC1R
GISCODE:	ZP1, Chrom (VI) reduced < 2 ppm
Cleaning agent:	Water (only for fresh product!)
Storage:	not below 5 °C during Winter, below 30 °C in Summer
Shelf life:	6 months
Pack Size:	25 kg paper sacks (40 per pallet)

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

### Preparations

The surface to be smoothed must be hard, sound and free of dust, dirt and other barrier materials, such as paint, lime coatings, plaster and excessive adhesive residues etc. Use appropriate mechanical preparation Techniques for other barriers to adhesion, including surface laitance which should be removed from concrete surfaces. Any traces of adhesive that remain after surface preparation must be checked to ensure that they are not water softenable, soft or tacky and that they have sufficient cohesive strength to provide long term restraint for the applied smoothing compound, floorcovering and intended use. If in doubt, remove the old adhesive residues. Unevenness, holes etc. have to be filled with Bona H610 or with spun out (see below) material. Direct to earth sub-floors must have an effective damp proof membrane, such as Bona R410 or Bona R580.

Suitable substrates are (even with underfloor heating):

- Cementitious screed (CT) according to EN 13813
- Calcium sulfate screed (CA) according to EN 13813
- Chipboard (V100) min. 25 mm thick, sustainable construction, warp resistant.

Fastening



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### Application

Before using the product 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%

Pour cold, clean water into a clean bucket. Then add gradually the powder while mixing slowly. Mix to a homogenous, lump-free consistency. The mixture should be a uniform colour showing no evidence of polymer segregation. Spread the material during the pot life time (15 min.) on the floor surface. Use a flat-edged hand trowel, a steel straight edge or similar tools. After application in a thickness higher than 5 mm the removal of en-trapped air with a pin-roll is recommended. Wash tools and hands with water while material is still fresh.

For thicknesses above 10 mm the levelling compound must be spun out with dry sand (see below). This extra material must be added to the water / powder mixture as the last component.

Mastic asphalt in accordance to EN 13813 should only be levelled out with H600.

Mixing ratios:

Normal levelling compound (thickness 2 to max. 10 mm):

6.5 l Water

25.0 kg levelling compound powder

Spin out levelling compound (thickness 10 to max. 20 mm):

6.75 l Water

25.0 kg levelling compound powder

16.0 kg (= 65 weight-%, a 10 l bucket) Sand (grain 0 to 3 mm)

If a second layer of levelling compound should be applied, the best time is when the first layer is still slightly wet but it is hard enough to walk on. Take care that curing layers are protected from heat (e.g. high room temperatures, intensive sun light) and draft.

Subsequent treatment / Sanding

For an optimal adhesion of the adhesive to the levelling compound it could be useful to sand the levelling compound slightly approx. 3 hours after installation.

Note! The tools must be clean.

### Consumption

Consumption: 1.5 kg/(m<sup>2</sup> mm)

Pot life: 15 min.

First load (walking): after approx. 1 hour

Covering: after approx. 1 hour only when Bona R850 is used to fix the wooden floor.

In case of other Adhesives is to be used, the min. drying time is 24 hours.

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.