

Bona H660

Cementitious self levelling compound



Bona H660 is a cementitious, acrylic polymer enhanced, self-smoothing, levelling compound for the application below resilient floor coverings, textile floorings and solid cork tiles. It can also be used below parquet. Bona H660 can be applied up to 10 mm in one step. For bigger layers the compound must be spun out with dry quart sand.

- Self levelling
- Self-smoothing
- Quickly walkable
- Applicable in a thickness layer from 1 to 10 mm (with Quartsand up to 20 mm)
- From 1 mm suitable for castor wheel friction (DIN EN 12 529)
- Pumpable
- Suitable on underfloor heating
- Very low emissions (EC1 Plus)

Technical Data

Base: Cement, synthetic resins

Color: grey

Consumption: ca. 1.4 kg per m² and mm

Layer thickness: 1 - 20 mm

Water needs: ca. 6.5 – 7 liter

Slack time*: ca. 3 min (re-stir)

Pot life*: ca. 30 min

Walkable*: after approx. 1.5 to 2 hrs.

Covering*: At 1 - 5 mm after approx. 14 hrs., at 5 - 10 mm after approx. 24 hrs., 10 – 20 mm after approx. 48 hrs. for elastic and textile floorings; 24 hrs. for wooden floors.

After approx. 48 hrs. below parquet at 2 – 5 mm, 72 hrs. at 5 – 10 mm.

GISCODE: ZP1

EMICODE: EC1 Plus

Cleaning agent: Water (only for fresh product!), cured material can only be removed mechanically

Storage: not below +5 °C during Winter, below +25 °C in Summer

Shelf life: 6 months in unopened bag from the date of manufacture

Disposal: Wastes and emptied canisters should be handled in accordance with local regulations.

Pack Size: 25 kg paper sacks (42 per pallet)

* +20°C and max. 65 % rH

Additional detailed information is noted in the appropriate safety data sheet.

Subfloor Preparation

The substrate must be even, totally dry, clean, free from cracks, physically sound and have a slightly textured surface. If necessary, it should be professionally prepared for laying. Substrates should be treated with a suitable primer such as Bona D510, D520, R410 or R590. Unevenness, holes etc. must be filled with Bona H610. Use Bona Expansion Strips to avoid the building of sound bridges.

Suitable Subfloors

- Cementitious screed (CT) according to EN 13813
- Calcium sulphate screed (CA) according to EN 13813
- Mastic asphalt screed (AS), IC10, according to EN 13813, do not apply thicker than 5 mm
- Concrete
- Fixed and screwed OSB/2, OSB/4 or Chipboards P4 and P6
- Other dry and sound subfloors such as gypsum fibre boards or precast screeds
- Existing ceramic and natural stone coverings
- Magnesia- and stonewood screeds

03.01.2020

With the publication of this data sheet all previous product information on this product lose their validity



Processing

Pour cold, clean water into a mixing bucket. Then add gradually the powder while mixing with an electric mixer at a max of 600 RPM. Mix to a homogenous, lump-free consistency. The mixture should be a uniform colour showing. After a slack time of ca. 3 minutes, mix the compound again with the electric mixer. Spread the material during the pot life time of ca. 30 min. on the floor surface. Use a flat-edged hand trowel, a steel straight edge or similar tools.

Mixing ratio:

Normal levelling compound (thickness 1 to max. 20 mm):
ca. 6.5 – 7.0 liter water
25.0 kg levelling compound powder

Note: If used below wooden floors, mix the compound with max. 6.5 liter water!

For thicknesses above 10 mm to max 20 mm the levelling compound must be spun out with dry quartz sand (0.3 – 0.8 mm, max. 8 kg to 25 kg powder). This extra material must be added to the water / powder mixture as the last component. Adding quartz sand will extend the drying time significantly.

If a second layer of levelling compound is required on the previous layer, the best time is after setting, approx. 3 hours after the first application. If the first layer is dry, use primer Bona D510.

Take care that curing layers are protected from heat (e.g. high room temperatures, intensive sun light) and draught.

Note! The tools must be clean. Also, please take also note of the separate instructions supplied by the parquet- or flooring supplier.

Consumption

1.4 kg/m²/mm

Important Notes

- The drying of the levelling compound depends on many factors, such as: the thickness of application, absorbency of the substrate and the respective climatic conditions. High temperatures, low air humidity, sun radiation and highly absorbent subfloors accelerate the drying process, whilst low temperatures, high humidity levels and non-absorbent substrates decelerate it. Take care to ensure good air flow and ventilation.
- When exposed to castor wheels, a minimum thickness of 1 mm must be applied.
- Respect local standards and codes of practice.
- Not suitable on floors exposed to permanent moisture rising such as ground level floors without basement or DPM.
- Observe the processing instructions as well of the respective Bona products being used additionally.
- Cementitious levelling compounds must not come into contact with metal heating pipes (galvanized steel) – risk of corrosion!
- To increase the tensile and flexural strength, Bona Fibers (0.25 kg) can be added.
- For interior use only.

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.

03.01.2020

With the publication of this data sheet all previous product information on this product lose their validity