



Bona H605

Calcium sulphate self-levelling compound



Bona H605 is a calcium sulphate levelling compound, based on Alpha hemihydrate. It produces flat and absorbent surfaces for the subsequent installation of resilient and textile floor coverings and for parquet combined with Bona silane-based adhesives. Bona H605 can be applied up to 20 mm in one step.

- Low tension
- Self-levelling
- Suitable on underfloor heating
- Very low emissions EC1 Plus
- From 1 mm suitable for castor wheel friction (DIN EN 12 529)
- Pumpable

Technical Data

Base: Alpha hemihydrate

Color: Beige

Layer thickness: 1-20 mm

Water needs: 5.6 liter cold water to 25 kg powder

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

Pot life: ca. 30 min.

Consumption: ca. 1.4 kg/m²/mm

Walkable: after approx. 1 to 2 hrs., depending on the layer thickness

Ready for installation:

after approx. 24 hrs. up to 3 mm, ca. 48 hrs. at 4-8 mm, ca. 72 hrs. at 9-15 mm. For level thicknesses above 15 mm at least 5 days

EMICODE: EC1 Plus

GISCODE: CP1

Cleaning: Water. Hardened material can only be removed mechanically.

Storage/Transport: Do not store below +5 °C or above +25 °C. Store in a cool, dry, well ventilated place.

Pack size: 25 kg paper bag

Shelf life: 9 months in unopened bag from the date of manufacture

Disposal: Wastes and emptied container should be handled in accordance to local regulations.

* at +20°C and max. 65 % rH.

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 D515, 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



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- Mastic asphalt screed (AS) according to EN 13813
- 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
- Magnesia- and Stonewood screeds
- Existing tiles and slabs and other substrates with water insoluble adhesives and levelling compounds

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 color. After a slack time of ca. 3 minutes, mix the compound again with the electric mixer. Spread the material during the pot life of ca. 30 min. on the floor surface. Use a flat-edged hand trowel, a steel straight edge or similar tools. Bona H605 dries and cures fast. The surface is walkable after approx. 1 to 2 hrs. Bona H605 can be applied in level thicknesses up to 20 mm!

After application in a thickness higher than 10 mm the removal of entrapped air with a spiked roller is recommended. Wash tools and hands with water while material is still uncured. Note: If used below wooden floors, we recommend applying the compound in a thickness of at least 2 mm.

Mixing ratio:

Normal levelling compound (thickness 1,0 to max. 20 mm): ca. 5.6 liter water to 25.0 kg levelling compound powder. If a second layer of Bona H605 should be applied on the previous layer, the best time is when the compound is walkable but still wet. If the first layer is dry, use primer Bona D515. Take care that curing layers are protected from heat (e.g. high room temperatures, intensive sun light) and draught.

Important Notes

- The drying of the levelling compound depends on many factors, such as: the thickness, absorbency of the substrate and the respective climatic conditions, high temperatures, low air humidity level, sun radiation and highly absorbent subfloors accelerate the drying process, whilst low temperatures, high humidity levels and non-absorbent substrates decelerate it.
- Take care of a good air flow and ventilation
- At a level thickness of above 15 mm a prolonged drying time must be expected.
- Take care to evaluate the moisture content with suitable equipment or technique (e.g. CM measurement)
- When exposed to castor friction, a minimum level thickness of 1 mm must be applied.
- When used below wooden floors, apply at least 2 mm
- Respect local standards and code of practice.
- Must not be used in moist rooms
- Observe the processing instructions as well of the respective Bona products being used additionally.
- To increase the tensile and flexural strength, Bona Fibers (0.25 kg) can be added.
- Do not apply Bona H605 wet in wet in conjunction with a cementitious levelling compound like Bona H600.
- 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.