



Bona H660

Cementitious self levelling compound



Bona H660 is a cementitious, acrylic polymer enhanced, self smoothing levelling compound for use beneath resilient and textile floor coverings. It can also be used beneath parquet flooring. Bona H660 can be applied in layer thicknesses from 1–10 mm in one operation. For thicknesses above 10 mm up to 20 mm, dry quartz sand should be added to the mix.

- Self levelling & self smoothing
- Quickly walkable
- Applicable in layer thicknesses from 1–10 mm (with quartz sand up to 20 mm)
- Suitable from 1 mm for castor wheel exposure (EN 12529)
- Pumpable
- Suitable for underfloor heating
- Very low emissions, EMICODE: EC 1

Technical Data

Base: Cement, synthetic resins.

Color: Grey.

Layer thickness: 1–10 mm (up to 20 mm with quartz sand).

Water requirement: 6.5–7.0 litres of cold, clean water per 25 kg bag (max. 6.5 litres beneath wood flooring).

Slack time: Allow to stand approx. 3 minutes, then remix before application.

Pot life: approx. 30 minutes.*

Consumption: approx. 1.4 kg/m²/mm.

Walkable: after approx. 90–120 minutes.*

Ready for installation: For resilient and textile floor coverings, 1–5 mm approx. 14 hours,
5–10 mm approx. 24 hours,
10–20 mm approx. 48 hours,
For wood flooring, 1–5 mm approx. 48 hours,
5–10 mm approx. 72 hours.*

EMICODE: EC 1

GISCODE: ZP1

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 sack.

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

Disposal: Waste and empty packaging should be handled in accordance to local regulations.

* at +20 °C and max. 65 % RH.

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This data sheet replaces all previous versions
Please check bona.com to ensure that you have
the latest version.



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Subfloor Preparation

The subfloor must be sound, dry, permanently dimensionally stable and free from cracks, dust, laitance and other contamination. Where applicable, the subfloor must comply with relevant local standards and codes of practice. If these conditions are not met, the subfloor must be suitably prepared and any deficiencies rectified prior to levelling.

The subfloor construction must include a functioning structural damp proof membrane within the subfloor build-up. Bona H660 is not suitable for use on subfloors subject to rising moisture.

To avoid the creation of sound bridges, ensure perimeter isolation is maintained. Where required, install Bona expansion strips at walls, columns, pipe penetrations and other upstands before applying Bona H660.

Slots, holes and surface defects must be repaired and fully filled using a suitable Bona repair mortar. Old adhesive residues and other contaminants should ideally be completely removed prior to levelling. Where complete removal is not possible, remaining residues must be isolated using a suitable Bona primer in accordance with the relevant Technical Data Sheet.

Priming is mandatory prior to application of Bona H660 and must be carried out using a suitable Bona primer. Where moisture suppression is required due to residual construction moisture, use a Bona primer suitable for this purpose. Refer to the relevant Bona Technical Data Sheets for primer selection and application guidance.

Ensure that any preparatory products used (repair mortars or primers) are fully cured prior to application of Bona H660.

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 screed panels
- Existing ceramic tiles and terrazzo, provided they are sound, clean and firmly bonded. Surface preparation and priming must be carried out as required to ensure adhesion.

Application instructions

During application and curing, suitable climatic conditions must be maintained. Avoid application at substrate or ambient temperatures below 15 °C or above 25 °C. Protect the fresh levelling compound from direct sunlight, draughts and rapid drying. Ensure adequate ventilation and air exchange during curing, without creating direct draughts across the surface. High relative humidity and low temperatures will prolong drying and readiness for installation times, while low relative humidity and high temperatures will reduce them.

Pour 6.5–7.0 litres of cold, clean water into a suitable mixing bucket. When installing beneath wood flooring, the water addition must not exceed 6.5 litres per 25 kg bag. Gradually add one 25 kg bag of Bona H660 while mixing with an electric mixer at a maximum speed of 600 rpm, until a homogeneous, lump-free compound is obtained. Allow the material to stand for approximately 3 minutes, then remix before application.

Bona H660 is suitable for application in thicknesses from 1–10 mm in one step. For layer thicknesses above 10 mm up to 20 mm, dry quartz sand (grain size 0.3–0.8 mm) should be added, up to a maximum of 8 kg per 25 kg bag. The quartz sand must be



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added as the final component of the mix. The addition of quartz sand will significantly extend the drying and readiness for installation time.

When applied over mastic asphalt, a maximum layer thickness of 5 mm must not be exceeded.

Pour the mixed levelling compound onto the substrate and spread evenly using a suitable smoothing trowel or rake. Apply Bona H660 to the required thickness in a single operation. Avoid interruptions during application in order to maintain a uniform surface. When exposed to castor wheels, a minimum thickness of 1 mm must be applied.

If a second layer is required, it should preferably be applied when the first layer is walkable but still moist. If the first layer has already dried, intermediate priming using Bona D515 (1:1 with water) is essential prior to application of the subsequent layer.

Once sufficiently cured (normally after approx. 14 hours at 1–5 mm, depending on thickness and site conditions), the levelling compound may be mechanically abraded if required prior to subsequent installation steps. Observe the drying and readiness for installation times stated in this Technical Data Sheet before proceeding with the installation of floor coverings.

Ensure that all tools are clean and observe the installation instructions of the parquet or flooring manufacturer.

Important Notes

- Bona H660 is intended for interior use only.
- Bona H660 is not suitable for areas subject to permanent moisture exposure.
- Avoid direct contact with metal pipes or metal components; where required, protect metal elements to prevent corrosion.
- If in doubt, carry out a test application.

The information in this document and all other advice and recommendations that we provide to help and assist the applicator are based on previous experience and extensive testing but make no claim to be complete. Because of the wide range of possible uses and conditions of application of our products, we do not relieve users from the need to carry out their own trials or to seek technical advice from Bona before use. Bona can only guarantee its products and not the construction as a whole. Follow the recommendations from the flooring manufacturer and the provisions of relevant standards.