



# INSTRUCTIONS FOR USE TWEHA'S BONDING SYSTEMS

version number 5.0 dated November 1, 2019



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## Application of TWEHA FloorMate

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If you choose to glue the wooden flooring directly to the concrete, there are a few key factors that you should consider before spreading the adhesive. Of course the bonded surfaces must be clean, dry and free of moisture:

- Sweep the concrete slab with a broom. No dirt or debris should be present on the surface; it will compromise the adhesive's strength. The floor is first brushed with a steel brush. An anhydrite floor is always delivered with a layer of laitance, which must be sanded off until the black specks become visible. The strength of the top layer is measured with a scratch testing pen.
- Test the moisture content of the concrete slab. The slab itself cannot effectively hold the adhesive and tiling if it is excessively moist. You will need a dry slab for a successful installation. The moisture content of the subfloor is then measured with a moisture meter. The correct value is 2 % CM or lower, 0.5 % CM in case of an anhydrite floor and 0.5% CM or lower with underfloor heating. To be certain, 50 g of anhydrite is removed from the floor, to allow the exact moisture percentage to be measured with a CM moisture meter. If the CM measurement shows that the moisture content is too high, extra steps are required. In such cases, a construction heater or dehumidifier should be used. If underfloor heating is installed, the system start protocol must be carried out.



All specifications, recommendations and technical data are based on laboratory tests under optimum conditions resp. on practical experience. They have been compiled most carefully. Nevertheless, a claim cannot be derived from them. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. The user bears the only responsibility for non-appropriate or other than specified applications.

We refer to our general Conditions, technical changes reserved. Contents examined and released by TCB, Lepelstraat 1, bus 02.01, B-3290 Lommel, Belgium.

Customer Response Centre: +31 88 999 81 81 or [info@tweha.com](mailto:info@tweha.com).

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- Repeat Step 2 in different regions along the floor slab. Multiple readings will provide you with a better idea of the concrete's moisture level.
- Surfaces must be absorptive, clean, and free from loose materials, oil, grease, sealers, curing compounds, waxes, silicates, laitance, and all other surface contaminants that may inhibit proper bond. Completely remove cutback adhesive residue or other surface contaminants by diamond grinding, shot blasting, or scarifying to open the pores of the concrete.
- Spread the adhesive in the exact centre of the concrete slab with a trowel B11. Align the trowel so that it has a 45-degree angle between its application side and the floor. This angle will help you apply the adhesive in an even layer.
- Press a floor tile into the wet adhesive. Do not allow the adhesive to become dry. Move the tile diagonally by about 2 cm so that it fully slides and penetrates into the adhesive. Verify that this tile is square with the adjacent walls; all of you tiles' orientations will be based off of this first tile installation position.
- Repeat Steps 4 and 5 to continue the flooring installation. Do not stand or kneel on the adhesive or installed tiles; always remain on the bare concrete slab to prevent any shifting of the tiles or disturbance to the adhesive.

\* in original closed and undamaged packaging stored at a cool and dry place.

For detailed information consult the material safety data sheets on [www.tweha.nl](http://www.tweha.nl)

For questions please contact our helpdesk +31 88 999 81 81