

# Laying instruction for fully glue-down installation in bathrooms

## HARO Tritty 200 Aqua

Be sure to read carefully before laying!



### Suitable subfloors:

- Cement floors (CT)
- anhydrite or anhydrite cast floors
- Mastic asphalt floors (AS)
- V100 (E1)-particle board or similar
- Dry-screed systems like Fermacell

### Approved adhesive:

#### Adhesive type according to TRGS 610: 2 components PU adhesive

Note:

The TRGS\_610 Technical Rules for Hazardous Substances stipulate the use of solvent-free adhesives whenever the product and the installation conditions on site permit their use.

### Subfloor testing and preparation:

The subfloor must be tested before laying according to the German standards VOB, Part C, DIN 18,365 "Flooring Works" and DIN 18,356 "Parquet Works." The subfloor must be dry, absorbent, clean and even, compression- and tension-proof, and free of cracks. Make sure the subfloor has been cleaned thoroughly from oil, grease, wax, paint, plaster, dust and other deleterious substances that may prevent or reduce adhesion.

To level out unevenness, it is recommended to apply a suitable levelling compound in sufficient layer thickness using the squeegee technique. After doctoring, a cleaning sanding of the surface is recommended. Please observe the instructions of the filler manufacturer.

**Anhydrite cast floors** must be sanded or brushed and then vacuumed before installing the floor covering.

**Difficult subfloors**, such as old mastic asphalt floors, very absorbent or sandy cement floors, ceramic floors, etc., require special subfloor preparation to ensure a proper substrate for laying. In this case, prepare the subfloor with appropriate filler or compound according to manufacturer's specifications.

Mastic asphalt floors have to be prepared with a self levelling compound.

#### 1. Moisture check:

The subfloor must be checked in a workmanlike manner by using a suitable measuring instrument (CM meter) in order to verify compliance with the required limit moisture content for laying the floor covering.

Limit moisture content:	without underfloor heating	with underfloor heating
Cement or poured cement floors	☞ 2.0 CM (weight)%	☞ 1.8 CM (weight)%
anhydrite or anhydrite cast floors	☞ 0.5 CM (weight)%	☞ 0.3 CM (weight)%

Please observe the preparatory measures which you find on our web site and in the "Installation over Underfloor Heating" section of Laying Instructions enclosed with the cartons. Prior to installation, a signed Record of Preparatory Subfloor Heat-Up Phase must be submitted by the client.

#### 2. Testing for evenness (DIN 18 202):

If necessary, level the subfloor with appropriate filler or compound according to manufacturer's specifications. Levelling the subfloor requires the use of special primers. Do not remove subfloor edge insulation until leveling and priming has been completed.

#### 3. Surface strength:

The surface strength of the subfloor is tested with the scratch test and the hammer impact test (low-strain method).

#### 4. Daily joints in the subfloor (pseudo-joints or predetermined breaking points):

These joints must be locked in a workmanlike manner prior to installing the floor covering. DO NOT close any expansion joints in the subfloor.

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### Glue-down installation:

Do not glue down if floor temperature is below 15° C (59°F). Avoid air humidity levels above 75 % in the room (such as in new constructions). If necessary, heat the room and ventilate it thoroughly.

Adhesive storage 2K-PU glue:

Storage of the adhesive according to the manufacturer's instructions.

### Coverage:

- Approx. 750 to 1.000 g/m<sup>2</sup> of 2K-PU glue depending on the absorbing power of the subfloor.
- Hamberger Special Spreader L

It is a must to follow the instructions of the adhesive manufacturer.

### General notes on glue-down installation:

- This high-grade product should not be stored in new constructions due to building-related residual moisture and increased air humidity levels.
- Do not open the cartons prior to installation; wrap any remaining boards in plastic foil when installation will be interrupted for a longer period.
- Apply the adhesive with the Hamberger Special Spreader L (at first only apply the amount of adhesive needed to install one row). The open time please according to manufacturer's note.
- Use the ideal room temperature between +18° C (65°F) and 23° C (73° F), not below +18° C (65° F) and above 75 % relative humidity.
- Align the boards of the first row with the tongue side parallel to the wall and fix them in place with spacers. Snap a chalk line when you need to cover long distances. This ensures that the boards are exactly parallel to the wall. Press the boards firmly into the wet adhesive to achieve good transfer.
- You can start the second row with the leftover piece from the first row, provided that you offset the end joints of adjoining rows by at least 50 cm. When you join the boards, do not press against the edges (on the long and short sides). If necessary use the tapping block to gently tap the boards together at the long side for a crackfree installation. Do not use force. At transitions to other floor coverings or door frames as well as to ceramic borders around fireplaces, you can insert special transition mouldings into the adhesive bed. Leave an expansion gap of at least 5 mm in the transition moulding.
- Wait about 48 hours after installation before subjecting the HARO laminate floor to traffic and load.

### Indoor climate:

In order to maintain the quality and beauty of your HARO laminate floor, but also for your own personal well-being, an indoor climate of approx. 30 – 60 % relative air humidity must maintain with a room temperature of 20° C (68°F). To keep the air humidity constant, especially during the heating season, we recommend using an electrical air humidifier. This will prevent any extreme drying out of the floor. Air humidifiers should be switched on right from the beginning of the heating season.

### Recommendation:

We recommend a floating installation for renovation or remodelling and if the subfloor is unsound or consists of old PVC flooring or glued down felt carpeting. If in any doubt, do not hesitate to ask our technical service department.

*The information given in these Laying and Care Instructions is based on experience and serves to advise the person doing the laying.*

*This information can only be of a general nature. No liability is accepted for the success of the work since we have no influence on the actual execution of work, and do not know the specific laying conditions. Make a gluing test before installing the floor or, if you are uncertain, ask a professional installer to lay your floor.*