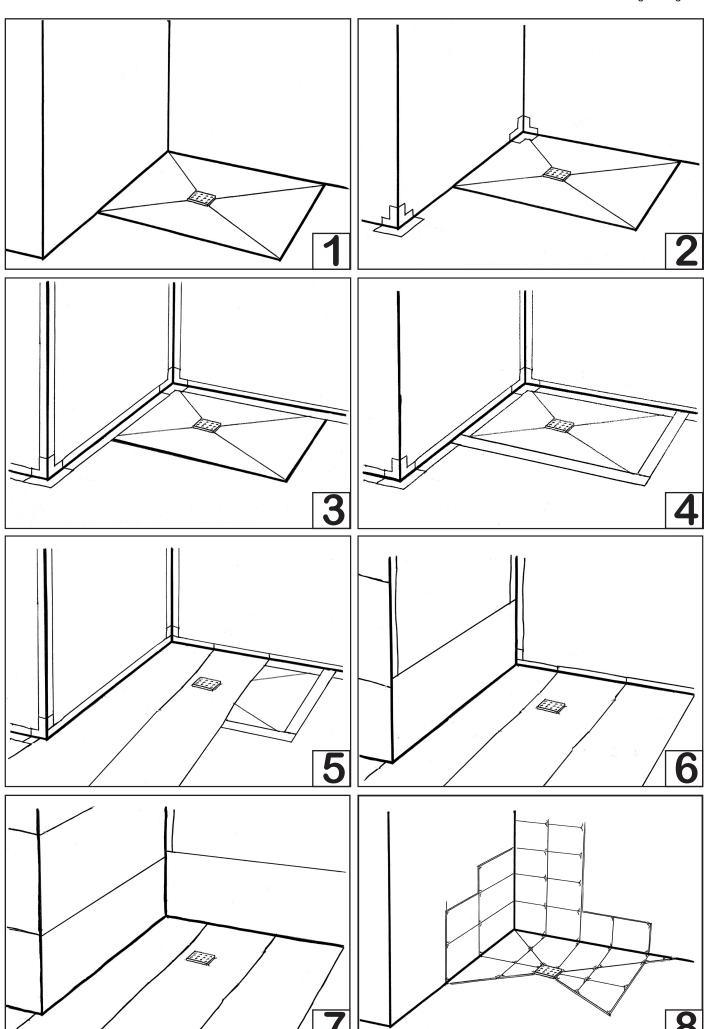![bathroom ENGINEERING logo]

**AquaeGUARD Installation
Instructions**

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Instructions for AquaeGUARD™ Waterproof Tanking System

General: You should take care to understand & be aware of the following common points when using AquaeGUARD™ Waterpoof Tanking Systems.

i. *All substrates should be stable, resistant to movement, free from dirt, dust, oil, grease & release agents.*

ii. *The membrane is secured using tile adhesive, that should be a cement based powder mix of C2 quality.*

iii. *We recommend a 2-4 mm (1/16" > 5/32") square notch trowel for application of tile adhesive.*

iv. *Whenever seams or overlaps are required, use a minimum of 50mm (2") overlap for membranes + accessories*

v. *During application, <u>remove</u> excess tile adhesive, <u>air pockets</u> and <u>wrinkles</u> by pressing out with the flat edge (reverse) of the square notch trowel. Always apply an even coverage, & ensure 100% coverage of the membrane surface.*

vi. *When fixing to certain floor tray systems (especially if made from plastics, fiberglass & the like), we advise the use of an abrasive applied to the top coat to create a sound key for the tile adhesive to bond to. If appropriate, use a proprietary primer on floors. Follow adhesive manufacturers instructions.*

vii. *For applications in shower enclosures where no standing water exists, the recommended tile adhesive is sufficient to create a seal, but for extra security, we suggest using an additional polymer liquid or gel type sealant on accessories and seams.*

Stages

1. Prepare the subfloor with a suitable primer and follow the curing guidelines of manufacturer. Measure, cut and trim sheets and tapes with a sharp knife to match the areas to be covered. It is recommended to carry out this step prior to mixing the tile adhesive.

2. Mix the tile adhesive, according to manufacturer's instruction and apply to transition joints at floor/wall, including corners. Embed 3x Way corner pieces into tile adhesive. Firmly press out excess adhesive using the flat edge (reverse) of the square notch trowel, spreading the excess adhesive to ensure 100% coverage. Remove air bubbles and wrinkles by firmly pressing from center to edge. Spread excess adhesive to ensure 100% coverage.

NOTE: Where additional security is required (see above comment vi.), apply liquid / gel sealant over membrane.

3. Repeat Stage 2 but using jointing tape at all horizontal & vertical joints. Centre & embed the tape in corners, ensure overlapping seams are a minimum of 50mm (2"), & remove air bubbles and wrinkles by firmly pressing from center of tape to edge. Spread excess adhesive to ensure 100% coverage.

NOTE: Where additional security is required (see above comment vi.), apply liquid / gel sealant over membrane.

4. Embed any additional corner pieces, jointing tape, wall or floor collars, PER Stage 2 & Stage 3. Again ensure an overlapping allowance of 50mm (2"), & spread excess adhesive to ensure 100% coverage.

NOTE: Where additional security is required (see above comment vi.), apply liquid / gel sealant over membrane.

5. After creating a sound key on floor substrates or shower tray for the tile adhesive to bond to, apply tile adhesive to floor, wall (approx. 50mm up any vertical surfaces), especially including any joints or gaps. Apply the adhesive using a 4 mm (5/32" x 5/32") square notch trowel & ensure a uniform coverage. Roll out & embed AquaeGUARD™ membrane, folding edges where they are secured to vertical surfaces. Remove air pockets and wrinkles using the reverse side of the square notch trowel. Roll out & embed further pre-cut sections of AquaeGUARD™ membrane, & ensure a 50 mm (2") overlapping joint.

NOTE: Where additional security is required (see above comment vi.), apply liquid / gel sealant over membrane.

6. Continue per Stage 5, until all the floor area that needs protection from moisture is covered. Having previously cut membrane for walls to size, apply tile adhesive along the lower 1m sector of a wall, using a 4 mm (5/32" x 5/32") square notch trowel & ensure a uniform coverage. Secure AquaeGUARD™ membrane horizontally (lengthwise), embed into adhesive. On walls it is essential to ensure a 50 mm (2") overlapping joint is created from the bottom up, so the gap between seams face downwards.

7. Continue per Stage 6, starting at the bottom & working upwards maintaining downward facing gaps.

NOTE: Where additional security is required (see above comment vi.), apply liquid / gel sealant over membrane.

8. When all area's requiring protection are sealed, allow adhesive to cure. Inspect for imperfections, & apply liquid / gel sealant where required. The wet room is now tanked, waterproof, & tiling may begin immediately.

ADDITIONAL NOTES.

Where pipes protrude, additional floor or wall collar accessories are available. To fix, cut a suitable small hole in the membrane. Secure pipe collar using tile adhesive as above (Stage 2). Pipe collars should be fitted leaving an outward facing curve around the pipe. Over brush with liquid sealant.

*** IMPORTANT NOTE ***

LIQUID OR GEL TYPE SEALANTS SHOULD NOT BE USED TO FIX AquaeGUARD™ AS THEY GENERALLY NEED AIR TO CURE SUFFICIENTLY. THIS IS NOT POSSIBLE BEHIND THE MEMBRANE.