

PRODUCT DATA SHEET

Aqua Blök™ 2 Part

FLEXIBLE, FAST-DRYING, CEMENT BASED, TWO-PART WATERPROOFING MEMBRANE

DESCRIPTION

Aqua Blök™ 2 PART is a flexible, fast-drying, latex modified, cement based, two-part waterproofing membrane. Aqua Blök™ 2 PART can withstand up to 1.5 bar of negative head of hydro-static pressure. It is suitable for internal and external waterproofing of shower recesses, bathrooms, balconies, roofs and decks. Aqua Blök™ 2 PART is also suitable for areas of continuous water immersion such as swimming pools, spas, water tanks and ponds and is suitable for application over green screeds in internal installations.

RECOMMENDED FOR

- Shower recesses and bathroom floor areas.
- Laundries, kitchens, balconies and patios.
- Waterproofing over water resistant plasterboard, fibrous cement sheeting, structural grade particle board and plywood, concrete, cement render, rendered brickwork and rendered concrete blocks.
- Areas of continuous water immersion eg: swimming pools & spas.
- For use in areas covered by AS3740-2010.

PRODUCT FEATURES

- Fast drying.
- Low VOC content.
- Permanently flexible. Class II.
- Dries to a keyed finish to promote adhesion with ceramic tile adhesives.
- Suitable for internal and external applications.
- Excellent adhesion to a variety of substrates.
- Designed for use with a bond breaker.
- Suitable for application over green screeds.
- Reduces the migration of efflorescence through the tiling system.

SUBSTRATES / BACKGROUNDS

Concrete: Allow at least 28 days for the concrete to cure. Concrete should be left with an open surface – standard helicopter finishes are generally acceptable if they display the “Moderate water absorption” in the substrate test. Wood float or broom finish is preferred where possible. All traces of curing compounds (or sealers) should be removed prior to waterproofing as these can act as release agents. The surface should be flat and even unless falls are incorporated where required.

Cement Screeds and Renders: The screeds and / or renders must conform with the appropriate standard and should be left with a wood float finish and left to cure for at least 24 hours per 25mm thickness.

Sheet Walls: Plasterboard and fibrous cement sheeting walls must be solidly fixed in accordance with the manufacturer's instructions specifically for tiling, any surface dust must be removed by dry wiping. Surfaces may be primed with ECO SYSTEMS™ ECO PRIME WB particularly where a jointing compound has been used.

Compressed Fibrous Cement Sheeting: Structural compressed fibre cement sheeting must be a minimum of 15mm thick, totally clean, dry, sound and free from any movement and must be fixed in accordance with the manufacturer's instructions specifically for tiling. Substrate deflection under all loads must not exceed L/360. Secure floor with additional fixings and wedges as necessary. Any surface dust must be removed by dry wiping. The whole area must be primed with ECO SYSTEMS™ ECO PREP 'N' PRIME prior to waterproofing.

Particleboard & Plywood: Structural particleboard must be a minimum of 19mm thick, totally clean, dry, sound and free from any movement and must be fixed in accordance with the manufacturer's instructions specifically for tiling. Substrate deflection under all loads must not exceed L/360. Secure floor with additional fixings and wedges as necessary. Any surface dust must be removed by dry wiping. The whole area must be primed with ECO SYSTEMS™ ECO PREP 'N' PRIME prior to waterproofing. In some circumstances the floorboards may need to be sanded prior to priming if any surface contamination is still present after initial preparation.

Existing Tiles: Any existing tiles must be well bonded and be free from any sealers or coatings. It may be necessary to mechanically prepare the area to be tiled. Dense, low absorbent surfaces must be coated with ECO SYSTEMS™ ECO PREP 'N' PRIME prior to waterproofing. Contact Sika® for advice if further information is required.

Static Crack Treatment: – For cracks less than 5mm, clean thoroughly before filling with Aqua Blök™ neutral cure silicone extending 5mm on either side. Install Aqua Blök™ ELASTO JOINT reinforcing bandage. For dynamic cracks, expansion joints and control joints contact Sika® for advice if further information is required. Sheet Joint Treatment – For sheet joints clean thoroughly before filling with Aqua Blök™ neutral cure silicone extending 5mm on either side. Install Aqua Blök™ ELASTO JOINT reinforcing bandage.

Bond Breaker: Aqua Blök™ 2 PART is a class 11 membrane with medium extensibility and is designed for use with a 35mm bond breaker to bridge joints opening up by 5mm. A bond breaker must be installed at wall/wall junction, wall/floor junction, sheet joints, penetrations and where there is a change in the direction or substrate.

ELASTO JOINT BAND & CORNERS

After preparing the substrate, apply a liberal coat of Aqua Blök™ 2 PART, extending 100mm wide equidistantly across the Joint/Crack and along the entire length of the Joint/Crack. Immediately place the Aqua Blök™ ELASTO JOINT BAND reinforcing bandage over the freshly applied membrane. Thoroughly wet out the edges of the bandage using a brush or roller, remove all creases and air pockets under and along the bandage. Immediately apply a second coat of Aqua Blök™ 2 PART to completely fill and bed the bandage. When joining Aqua Blök™ ELASTO JOINT BAND a minimum 50mm overlap must be achieved. Apply a liberal coat of Aqua Blök™ 2 PART, extending 100mm wide at the wall/floor junction, immediately place the preformed corners into the wet membrane. Using a brush detail the corner by removing all creases and air pockets. Apply a second coat ensuring that the preformed corner is well embedded.

MIXING

Thoroughly stir Aqua Blök™ liquid before use, Mix the Aqua Blök™ 2 PART at a ratio of 1L of liquid to 1.5Kg of powder. Pour the liquid into a clean mixing container before slowly adding the appropriate quantity of powder. Always add the powder to the liquid and mix until a smooth lump free consistency is achieved. Allow mixture to stand for 5 minutes to allow the chemicals to slake – then restir and the product is ready for immediate use. DO NOT ADD MORE LIQUID. Restirring may be necessary during the pot life of the product.

APPLYING

Aqua Blök™ 2 PART must be applied using a brush or roller. A minimum (DFT) dried film thickness of 1.2mm of Aqua Blök™ 2 PART is required for optimum waterproofing properties. The surface onto which Aqua Blök™ 2 PART is applied must be continuous. Aqua Blök™ 2 PART cannot span gaps. A minimum of two coats of Aqua Blök™ 2 PART is required, each coat must be applied in a perpendicular direction to the previous coat. The application must conform to AS 3740, AS 4654 and relevant local building codes. Ensure there is no defect or damage to the waterproofing membrane, if necessary repair and rectify. Aqua Blök™ 2 PART is recommended as a waterproofing membrane for non-trafficable roof areas. There must be sufficient falls for effective drainage to prevent ponding.

DRYING

Allow 2-3 hours between coats and 24 hours to dry prior to applying finished covering, Allow 21 days curing before full immersion. Allow longer in adverse weather conditions.

POT LIFE

2 hours at 23°C and 60% relative humidity.

TILING

Compatible with a range of tile adhesives, contact Sika® for advice if further information is required.

CLEANING

Tools and equipment can be washed using clean water before the waterproofing has cured.

COVERAGE

Apply two coats to achieve a minimum dry film thickness of 1.2mm. 0.75lt/1m² per coat. 12m² per kit. For continuous immersed and subterranean applications apply two coats to achieve a minimum dry film thickness of 1.5mm. 1lt/m² per coat. 9m² per kit. Coverage will vary depending on substrate and application.

STORING

When Aqua Blök™ 2 PART is stored in its original unopened package in a dry area at a temperature of 23°C and a relative humidity of 60%, it should be usable for approximately 12 months.

HANDLING

Sika® supports best practice in material handling: Gloves, mask and protective clothing should be worn. For further information refer to product SAFETY DATA SHEET.

LIMITATIONS

- Aqua Blök™ 2 PART must not be used over wet or contaminated substrates.
- Aqua Blök™ 2 PART must not be applied if it is raining or if rain is imminent.
- Aqua Blök™ 2 PART must not be applied directly over protective coatings.
- Aqua Blök™ 2 PART must not be applied over the recommended coverage rate.
- To eliminate possible surface contamination or damage, it is recommended that tiling can be carried out as soon as the membrane has cured.
- Timber flooring must be overlaid with fibrous cement sheeting prior to waterproofing.
- Aqua Blök™ 2 PART must not be used as a wearing surface for foot or vehicle traffic.
- Do not apply where the surface temperature is below 10°C or greater than 35°C.
- Contact Sika® for advice if further information required.