

PRODUCT DATA SHEET

Aqua Blok® 2 PART

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

DESCRIPTION

Aqua Blok® 2 PART is a flexible, fast-drying, latex modified, cement based, two-part waterproofing membrane. Aqua Blok® 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 Blok® 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.

USES

- Concrete
- Sand/cement screeds
- Cement render
- Fibrous cement sheeting
- Compressed fibrous cement sheeting
- Water resistant plasterboard
- Structural grade particle board
- Marine ply and level 3 treated ply

CHARACTERISTICS / ADVANTAGES

- Fast drying.
- Low VOC content.
- Permanently flexible.
- Keyed finish promotes adhesion with tile adhesives.
- Suitable for internal and external applications.
- Excellent adhesion to a variety of substrates.
- Application over green screeds. (Internal Only)
- Covered immersed applications - pools & spas.

PRODUCT INFORMATION

Packaging	10L Part A + 15kg Part B Kits
Shelf life	12 months from date of manufacture in original, sealed containers, if the storage conditions are met.
Storage conditions	Store in dry, weatherproof environment, protected from direct sunlight at temperatures between +5°C and +25°C.

APPLICATION INFORMATION

Consumption	<p>Wall & Floor: Achieve a minimum dry film thickness of 1.2mm. Application coverage rate of 0.75lt per 1m² per coat, minimum 2 coat application. 12m²per kit.</p> <p>Immersed & Below Grade: Achieve a minimum dry film thickness of 1.5mm. Application coverage rate of 1lt per 1m² per coat, minimum 2 coat application. 9m²per kit.</p>
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Pot Life	Mixed product must be used within 2 hours at 23°C.
Curing Time	Allow a minimum of 21 days curing before full immersion and 24 hours to cure prior to applying finished covering
Drying time	Allow 2-3 hours between coats at 23°C. Allow longer in adverse weather conditions. Drying time is dependent on ambient temperature and relative humidity.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces to be waterproofed must be firm, clean, dry, structurally sound and smooth. All grease, oil, wax, curing compounds, dust, loose material, laitance and other contaminants must be removed. All projections and rough spots should be dressed off to achieve a level surface. The substrate surface must be continuous and not pond water. Porous dry surfaces must be primed using ECO SYSTEMS® Eco Prime WB. Highly porous and dusty substrates must be primed with Aqua Blök® Epoxy Prime 2K, damp substrates must be primed using Sika® Tite Moisture Seal 2K. Dense and impervious substrates must be primed using ECO SYSTEMS® Prep 'N' Prime.

Concrete

Allow at least 28 days for the concrete to cure. Concrete should be left with an open surface – standard wood float or broom finish. All traces of curing compounds or sealers should be removed prior to application. Old concrete must be thoroughly cleaned and washed and allowed to dry. The surface should be even unless falls are incorporated where required, imperfections to be repaired with a suitable Sika® Mono-Top repair mortar.

Sand / Cement Screeds and Renders

The screeds and / or renders must conform to the appropriate standard and should be left with a wood float finish and left to cure for at least cure for 7 days. Suitable for application over internal hardened green screeds.

Building Boards

Water resistant plasterboard, fibrous cement sheeting, marine ply must be solidly fixed in accordance with the manufacturer's instructions specifically for tiling. The area must be primed with ECO SYSTEMS® Eco Prime WB, particularly where a jointing compound has been used.

Particleboard

Particleboard must be fixed in accordance with the manufacturer's instructions specifically for tiling and free from any movement. Secure floor with additional fixings and wedges, sand any surface contamination after initial preparation. The area must be primed with ECO SYSTEMS® Prep 'N' Prime.

Non Porous Substrates

It may be necessary to mechanically prepare the area. Any existing tiles must be well bonded and be free from any sealers or coatings. Dense, low absorbent and impervious surfaces must be primed with ECO SYSTEMS® Prep 'N' Prime.

Static Crack & Sheet Joint Treatment

For static cracks 0.5 – 3mm wide rout out and clean

thoroughly before filling with Sika® Neutral Cure silicone to form a Bond Breaker, for all sheet joints and seams clean thoroughly and fill with Sika® Neutral Cure silicone to form a Bond Breaker, apply a liberal coat of Aqua Blok® 2 PART extending 100mm either side of the crack or joint and place Schönox® ST tape into the wet membrane, press down firmly to ensure good contact, apply another liberal coat of Aqua Blok® 2 PART to the entire surface to embed the bandage. For dynamic cracks, expansion joints and control joints contact Sika® technical service for advice.

BOND BREAKER

Aqua Blok® 2 PART is a Class II membrane with medium extensibility and is designed for use with a 35mm Bond Breaker, a bead of Sika® Neutral Cure silicone tooled off to 35mm wide or Schönox® ST tape or both should be installed as a bond breaker. A bond breaker must be installed at areas subject to movement, wall/wall junction, wall/floor junction, sheet joints and seams, penetrations and where there is a change in the direction or substrate type.

TILING

Compatible with a range of Sika® CTA® polymer modified tile adhesives, Contact Sika Technical Service for further advice.

MIXING

Thoroughly stir Aqua Blok® 2 PART liquid before use, mix the Aqua Blok® 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. Restirring may be necessary during the pot life of the product.

APPLICATION METHOD / TOOLS

Aqua Blok® 2 PART may be applied using a brush or roller. The surface must be continuous, Aqua Blok® 2 PART cannot span gaps or voids. A minimum of two coats is recommended, each coat must be applied in a perpendicular direction to the previous coat. The application must conform to Australian Standards and relevant local building codes. Ensure there are no defects or damage to the waterproofing membrane, if necessary repair and rectify by applying a third coat.

CLEANING OF EQUIPMENT

Remove liquid coating immediately with a dry cloth, clean tools and equipment with water while the material is still wet. Cured coating can only be removed mechanically.

FURTHER INFORMATION

- Safety Data Sheet (SDS)

IMPORTANT CONSIDERATIONS

LIMITATIONS

- Aqua Blok® 2 PART must not be used over wet or contaminated substrates.
- Aqua Blok® 2 PART must not be applied if it is raining or if bad weather is imminent.
- Aqua Blok® 2 PART must not be applied directly over coatings or contaminations..
- Aqua Blok® 2 PART must not be applied over the recommended coverage rate
- Aqua Blok® 2 PART must not be used as a exposed wearing surface for heavy foot or vehicle traffic.
- Timber flooring must be overlaid with fibrous cement sheeting prior to waterproofing.
- Do not apply where the surface temperature is below 10°C or greater than 35°C.
- To eliminate contamination or damage, the finished covering must be applied as soon as Aqua Blok® 2 PART has cured.
- Contact Sika® Technical Services for advice if further information is required.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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