BUILDING TRUST

PRODUCT DATA SHEET

Sika® Aqua Blok® Rapid

A HIGHLY FLEXIBLE CLASS III, RAPID DRYING, UNDER TILE WATERPROOFING MEMBRANE

DESCRIPTION

AquaBlok® Rapid is a highly flexible, Class III, rapid drying, waterproofing membrane suitable for internal and external use. Sika® Aqua Blok® Rapid is designed to bond to a wide variety of substrates and is micro fibre reinforced for improved tensile strength and crack bridging.
Sika® Aqua Blok® Rapid is perfect suited to cool and cold climates due to it ability to dry and cure at low temperatures.

USES

Sika® Aqua Blok® Rapid is suitable for use over typical substrate such as;

- Concrete
- Cement based screeds and renders
- Fibre cement sheeting / Ceramic Tile Underlay
- Compressed cement boards
- Structural particle board sheeting overlayed with ceramic tile underlay
- Structural plywood sheeting
- Water resistant plasterboard
- Existing tiles (refer further detail in priming)

CHARACTERISTICS / ADVANTAGES

- Rapid drying, overcoat in 2 hours
- Flood test after 24 hours
- High extensibility >300%
- Changes colour once dry, from Pink to Dark Red
- Internal & external applications
- Water based - easy to use
- Low VOC
- Residential and commercial applications
- Micro fibre reinforced
- Compatible with Sika and Davco range of tile adhesives
- Premixed ready to use

PRODUCT INFORMATION

Packaging	15 Litre pails
Shelf life	12 months from date of manufacture.
Storage conditions	Store off ground out of direct sunlight. Do not allow to freeze.
Colour	Wet - Pink, once dry dark red.
Density	1.27 Kg/L
Solid content by volume	69%

TECHNICAL INFORMATION

Dry film thickness	Walls: 0.6mm Floors and perimeter skirtings: 1.0mm

APPLICATION INFORMATION

Consumption

Sika® Aqua Blok® Rapid shall be applied in a minimum of 2 coats to both wall and floor substrates.
Walls application coverage rate: 0.4 Litres per m2 per coat.
Floor & perimeter skirting application coverage rate : 0.8 Litres per m2 per coat.

Drying time

Approximate drying time between coats.

5° C	90+ minutes
23°C	60+ minutes

Drying times will be influenced by airflow, humidity, temperature, surface porosity and environment conditions. Use table as a guide only.

Applied product ready for use

Ready for tiling after 2nd coat	4 hours
Ready for flood testing	24 hours
Return to service	3 days

- Drying times are determined at 23°C and 50% Relative humidity. Allow longer in cold or high humidity climates.
- Flood tests can be conducted for a maximum duration of 2 hours after 24 hours drying.

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.

IMPORTANT CONSIDERATIONS

- Sika® Aqua Blok® Rapid must not be applied over damp or wet substrates.
- Sika® Aqua Blok® Rapid is not suitable for negative head of water pressure.
- Sika® Aqua Blok® Rapid must not be applied if rain or bad weather is imminent.
- Sika® Aqua Blok® Rapid must be applied at the recommended coverage rates.
- Sika® Aqua Blok® Rapid is not suitable for submerged applications such as pools, spas, and ponds.
- Sika® Aqua Blok® Rapid must not be used as a trafficable, exposed or UV stable coating.
- Sika® Aqua Blok® Rapid shall be used below 5°C and above 35°C.
- To minimise the chance of damage install finished covering as soon the membrane has cured.
- Timber floors must be over sheeted with a suitable fibre cement sheeting or ceramic tile underlay.
- Always inspect membrane after flood testing to ensure membrane integrity. Repair / recoat as required.
- Contact Sika Australia for further information or applications not noted in this document.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

EQUIPMENT

- Personal protective equipment
- Brush, or short nap roller

SUBSTRATE QUALITY

Concrete:
All new concrete slabs must have a wood float finish and be allowed to cure for at least 6 weeks Old concrete must be cleaned with a strong commercial grade detergent or degreaser. Residue must then be thoroughly washed off with clean water. Allow the surface to dry for at least 24
hours. If the concrete (new or old) has a steel trowel or power float finish, it must be mechanically abraded to expose the aggregate. Laitance must be removed prior to application.

Renders & Screeds:
New rendered or screeds surfaces must have a wood float finish and be allowed to cure for at least 7 days.

Light Weight Block / Hebel, and Cement Coated Polystyrene Boards:
Prime the surface with 2 coats of suitable Sika primer

- Metal drain connections and PVC puddle flanges Shall be lightly abraded and then cleaned
- Apply a coat of Sika® Prep N Prime and allow to dry

Construction Sheeting & Boards:

- Standard wall / floor building boards must be primed

with a Suitable SIka primer and firmly fixed in accordance with manufacturer's instructions and appropriate Australian Standards. Such boards include plasterboard, fibre cement sheeting, marine grade ply and wet area composition board. Check with manufacturer of other building boards for their suitability.
- Screw or nail heads must be sealed with a Sika® Neutral cure sealant.
- All sheeting joints, seams, penetrations and wall/floor junctions shall have a Sika® Neutral cure sealant applied.

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 flat surface. The substrate surface must be continuous and not pond water with adequate falls to waste as required.

Substrate Priming:
All substrates shall be primed prior to the application of Sika® Aqua Blok® Rapid

Application	Primer
Porous substrates	Eco Prime WB Davco Ultraprime Davco PrimeX Siklastic Moisture Seal
Non Porous Substrates	Sika Prep n Prime
Early aged screeds and concrete	Sikalastic Moisture Seal

Static Crack and Sheet Joint Treatment:
For static cracks 0.5–3 mm 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 a Sika sealant to form a bond breaker, apply a liberal coat of Sika® Aqua Blok® Rapid extending 100 mm either side of the crack/joint and place bandage into the wet membrane, press down firmly to ensure good contact, apply another liberal coat of Sika® Aqua Blok® Rapid to the entire surface to embed the bandage. For dynamic cracks, expansion joints and control joints contact Sika® technical service for advice.
Suitable sealants include;
- Sika Neutral cure silicone
- Sikaflex® Fillet

Bond Breaker:
AquaBlok® Rapid has high extensibility and is designed for use with a 12 mm bond breaker, a bead of Sika® Neutral Cure Silicone must be tooled off to form a 12 mm wide 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.
Suitable Bond breakers include;
- Sika Neutral Cure silicone
- Sikaflex® Fillet

Ensure bond breakers are adequately cured in accordnace to product datasheets.

CLEANING OF EQUIPMENT

Clean tools and equipment with clean water while the material is still wet. Cured coating can only be removed mechanically.

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.

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.

Sika Australia Pty Limited
ABN 12 001 342 329
aus.sika.com
Tel: 1300 22 33 48