

PRODUCT DATA SHEET

Aqua Blök™ PU100

SINGLE COMPONENT, POLYURETHANE WATERPROOFING MEMBRANE

DESCRIPTION

Aqua Blök™ PU100 is a high performance, single component, elastomeric, moisture cured, polyurethane waterproofing membrane used for waterproofing shower recesses, bathrooms, laundries, decks, balconies and rooftops.

PRODUCT FEATURES

- Fast drying
- Highly flexible - Class III
- Internal and external applications
- One part - No mixing
- Excellent adhesion to most substrates

AREAS OF USE

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

SURFACE PREPARATION

All surfaces to be waterproofed must be firm, clean, dry, sound and smooth. All grease, oil, wax, curing compounds, dust, droppings, loose material, paint and other contaminants must be removed. Fibrous cement sheeting, water resistant plasterboard, Marine ply and Level 3 treated ply must be fixed in accordance with the manufacturer's installation directions. Concrete must be allowed to cure for 28 days and cement render and sand and cement screeds must be allowed to cure for 7 days prior to the application of Aqua Blök™ PU 100. Surfaces must be even and smooth and any imperfections repaired with a suitable mortar. Porous, damp or moist substrates must be primed using Aqua Blök™ MOISTURE SEAL. Highly porous and dusty surfaces may require a second coat of Aqua Blök™ MOISTURE SEAL. Apply Sika® Sikaflex Polyurethane Sealant to the wall/wall joints, the wall/floor joints and wherever there is a change in the direction of the substrate. Tool off to form a coved fillet extending a minimum of 10mm onto adjacent surfaces. All sheet joints and fixings must also be filled with Sika® Sikaflex Polyurethane Sealant before the application of Aqua Blök™ PU 100.

Static Crack Treatment: For cracks less than 1.5mm, clean thoroughly before filing with Aqua Blök™ JOINT SEAL. Apply a liberal coat of Aqua Blök™ PU 100 extending 100mm either side of the joint. Allow to cure before general application of Aqua Blök™ PU 100. For dynamic cracks, expansion joints and control joints contact the Sika® Technical Department for further advice.

MIXING

Single component, ready to use undiluted, prior to application using a stirrer mix thoroughly to produce a homogenous liquid.

APPLYING

Aqua Blök™ PU100 must be applied using a brush or roller. A minimum thickness of 1mm dried film thickness of Aqua Blök™ PU100 is required for optimum waterproofing properties. The surface onto which Aqua Blök™ PU100 is applied must be continuous. Aqua Blök™ PU100 cannot span gaps. A minimum of two coats of Aqua Blök™ PU100 is required. Application coverage rate of 1.5m² per litre per coat. Aqua Blök™ PU100 must be uniformly applied to avoid thin spots and care must be taken to avoid pin holes.

Shower Recesses: Apply Aqua Blök™ PU100 to the internal vertical corners using a brush extending at least 100mm either side of the joint. Ensure the corner is well coated. This must extend past the height of the shower rose. It is important to coat around the tap protrusions in the wall. The wall/floor joint must be coated with Aqua Blök™ PU100. The membrane must extend onto the wall at least 100mm and onto the floor 100mm. Aqua Blök™ PU100 must extend a minimum of 25mm above the height of the hob. The walls should then be coated. Once the wall/wall junctions, wall/floor junctions, tap protrusions and walls are coated, then the shower floor must be coated. When coating the floor, the Aqua Blök™ PU100 must be dressed down into the floor waste a minimum of 50mm. The floor must be coated with Aqua Blök™ PU100 ensuring a minimum dry film thickness of 1mm is achieved. Apply a final coat to ensure there are no imperfections in the membrane.

Floors of wet areas: Apply Aqua Blök™ PU100 to the wall/floor joints and sheet flooring joints and fixings using a brush, extending at least 100mm either side of the joints. Once these areas are dry, the entire floor area can be coated. Sufficient Aqua Blök™ PU100 must be applied onto the surface to achieve a 1mm dried film thickness.

Roofs: Aqua Blök™ PU 100 is recommended as a waterproofing membrane for non-trafficable and non-exposed areas. Application is recommended as for "Floors of wet areas". There must be sufficient falls for effective drainage to eliminate ponding. Aqua Blök™ PU100 must be covered with a suitable covering and not exposed to UV light.

COVERAGE

Apply the first and second coats each using a coverage rate of 1 litre per 0.8m². Coverage will vary depending on substrate and application.

DRYING

Allow 4-6 hours between coats. Allow 24 hours to dry prior to applying finished covering. Allow longer in adverse weather conditions.

TILING

Contact Sika® Technical Department for advice if further information is required.

CLEANING

Clean tools and equipment with Xylene while the material is still wet. Use disposable brushes and roller sleeves. Hardened and /or cured material can only be removed mechanically.

STORING

Unopened pails may be stored for up to 12 months from date of manufacture when stored in a cool, dry, weatherproof environment. Aqua Blök™ PU100 must be stored out of direct sunlight and away from heat.

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.

PACK SIZE

15 Litre metal pails.

LIMITATIONS

- Aqua Blök™ PU 100 is not designed to stop a hydrostatic head of water pressure.
- Aqua Blök™ PU 100 must not be used over damp, wet or contaminated substrates.
- Aqua Blök™ PU 100 must not be applied if it is raining or if rain is imminent.
- Aqua Blök™ PU 100 must not be applied directly over protective coatings.
- Aqua Blök™ PU 100 must not be applied over the recommended coverage of 1L per m².
- To eliminate possible surface contamination or damage, it is recommended that finished covering be applied as soon as the membrane has cured.
- Timber and particleboard flooring must be overlaid with fibrous cement sheeting prior to waterproofing.
- Aqua Blök™ PU 100 must not be exposed to UV light or 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® Technical Department for advice if further information is required.