

PRODUCT DATA SHEET

Aqua Blök™ MOISTURE SEAL

A TWO PART, WATER-BASED, EPOXY WHICH CHEMICALLY CURES TO FORM A TOUGH, WATERPROOF VAPOUR BARRIER THAT PREVENTS RISING DAMP AND CONTINUAL SEEPAGE

DESCRIPTION

Aqua Blök™ is a two part, water-based, epoxy which chemically cures to form a tough, waterproof vapour barrier that prevents rising damp and continual seepage. Aqua Blök™ MOISTURE SEAL can be used as a primer over damp concrete and damp screeds prior to the application of Aqua Blök™ waterproofing membranes. Aqua Blök™ MOISTURE SEAL is emulsified in water to produce a low VOC product that is ideal for use in confined spaces.

PRODUCT FEATURES

- Convenient 1:1 mixing ratio by volume or weight
- Withstands hydrostatic head of water pressure
- Reduced water vapour transmission
- Resists grease, oils, detergents & most mild chemicals
- Non-flammable
- Prevents bubbling and blistering in waterproofing membranes
- Easy water clean-up

AREAS OF USE

- Concrete, rendered brickwork, rendered blockwork, screeds and fibrous cement sheeting.
- Negative pressure waterproofing and preventing continual seepage.
- For use as part of a waterproofing system prior to the application of Aqua Blök™ waterproofing membranes.
- Waterproofing applications including retaining walls, planter boxes, lift wells, concrete tanks, basements, tunnels, reservoirs, troughs and underground car parks.

SURFACE PREPARATION

General: All surfaces must be clean, dry and free from dust, grease, wax, oil, laitance, curing compounds, release agents, paint, coatings, friable material, and all other contaminants likely to prevent the Aqua Blök™ MOISTURE SEAL bonding. Flexible building boards such as fibrous cement sheeting and plasterboard must be fixed in accordance with the manufacturer's printed directions. Where necessary wipe down the substrate with a damp sponge to remove any dust or foreign matter prior to the application of Aqua Blök™ MOISTURE SEAL. All substrate surfaces must be secure and continuous and all voids and gaps must be filled. Contact Sika® Technical Department for further information. Surfaces may be damp but not saturated. Ensure re-coat times are adhered to between applications.

MIXING

Thoroughly stir Part A with a stirrer and with a separate implement stir Part B. Measure equal volumes of Parts A and B and place into a clean container. Using a mechanical mixer, thoroughly mix products together to produce a homogenous liquid. Do not mix more product than can be used in 2 hours at 23°C.

APPLYING

Aqua Blök™ MOISTURE SEAL is a minimum two coat system. The coverage rate as specified must be achieved to ensure vapour transmission barrier properties and low permeability. Apply mixed Aqua Blök™ MOISTURE SEAL by brush or short nap roller ensuring that the product is worked well into the substrate to obtain full coverage and to eliminate pinholes. Apply two coats, each coat must be applied in a perpendicular direction to the previous coat. Allow each coat to cure (tack-free) before application of the following coat. In critical applications, a third coat should be applied. Achieve a final dry film thickness as specified. It is recommended to test the depth of each coat with a wet film gauge (200 microns) at regular intervals. Only one coat is required as a primer when used with Aqua Blök™ waterproofing membranes.

POT LIFE

Mixed product must be used within 2 hours at 23°C.

DRYING

Allow 4-6 hours between coats at 23°C. Allow 24 hours (at 23°C) to dry prior to waterproofing. Allow longer in adverse weather conditions. Drying time is dependent on ambient temperature and relative humidity.

CLEANING

Tools and equipment can be washed using clean water before material has set.

COVERAGE

2 coats of Aqua Blök™ MOISTURE SEAL must be applied to achieve a minimum dry film thickness of 200 microns. Apply the first and second coats each using a coverage rate of 1 litre per 4-5m².

STORING

Unopened containers can be stored for up to 12 months from the date of manufacturer when stored in a cool, dry and weatherproof environment away from direct sun and excessive heat.

HANDLING

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

PACK SIZE

20L Kits (10 L Part A + 10 L Part B)

LIMITATIONS

- Aqua Blök™ MOISTURE SEAL cure rates will be affected by surface and ambient temperature and relative humidity.
- Seal all steel or metal surfaces with an appropriate sealer prior to application of Aqua Blök™ MOISTURE SEAL as corrosion may occur.
- Aqua Blök™ MOISTURE SEAL is a vapour barrier and not a flexible waterproof membrane. The use of a dedicated flexible membrane from the Aqua Blök™ range of waterproof membranes is required in conjunction with a vapour barrier.
- Aqua Blök™ MOISTURE SEAL is not trafficable and must be covered with an appropriate floor topping, coating or conventional covering prior to foot or vehicle traffic introduction.
- In enclosed areas such as water tanks or reservoirs, ventilation should be provided during application to ensure adequate curing is achieved.
- Allow to cure for a minimum of 24 hours at 23°C / 50% RH
- Aqua Blök™ MOISTURE SEAL may 'yellow' when exposed to UV light.
- Discard any material that has exceeded the pot life or working time of the product.
- Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically prepared or pressure washed to produce a contaminant-free surface.
- Do not apply Aqua Blök™ MOISTURE SEAL when temperature is below 10°C or greater than 35°C.
- Do not apply Aqua Blök™ MOISTURE SEAL if rain is imminent.
- Do not expose Aqua Blök™ MOISTURE SEAL to running water or full immersion for at least 24 hours.
- Aqua Blök™ MOISTURE SEAL is not recommended as an efflorescence barrier for sand cement screeds and render prior to tiling.
- Contact Sika® for advise if further information is required.