

Waterproofing Systems / Hybrid Polymers

AQUAMER® HB

Hybrid Polymer Based Liquid Membrane and Coating

DESCRIPTION

Single component, fluid, ready-to-use, solvent and isocyanate free, UV resistant, high technology coating and waterproofing material produced with **silane terminated hybrid polymer** technology. Suitable for light pedestrian traffic.

APPLICATION AREAS

- Indoor and outdoor,
- As a coating material in balconies and terrace roofs with light pedestrian traffic,
- On almost all kinds of mineral surfaces, such as concrete, stone, marble, ceramic, tile, all kinds of wood, glass, metal, tile, brick, cement-bonded particle board, gas concrete, and their combinations,
- Repairing cracks up to 2 mm,
- Wet areas such as bathrooms and kitchens,
- Places below ground level, such as foundations, garages and basements against ground moisture,
- Waterproofing and local repairs of horizontal surfaces, thanks to its self levelling properties,
- Waterproofing and local repair of vertical surfaces, thanks to its ease of application with roller or brush,
- Balconies, terraces or inclined roofs where waterproofing is required, on wood and metal surfaces, in intersections of chimneys, ventilations and skylights.

TECHNICAL PROPERTIES

Appearance	Low viscosity elastomeric liquid coating
Color	Pls see the color chart
Density	1.15 ± 0.05 kg/L
Application Temperature	Between +5°C and +35°C
Hardness (Shore D)	30 ± 5
Film Formation Time	60 ± 30 minutes
Curing Rate	1 mm / 24 hours
Service Temperature	Between -30°C and +80°C

ADVANTAGES

- Has medium flexibility**, suitable for **light pedestrian traffic**. Keeps its elasticity and bonding properties in joints and cracks caused by the movements of the buildings. Turns to its original form perfectly.
- Bonds even on **damp surfaces**, provides **high adherence**.
- Does not contain **solvent** and **isocyanate** which are harmful to human health and to the environment. Can be safely used indoor and in contact with potable water.
- Resistant to UV**, does not crack, sag or turn to yellow. Can be safely used outdoor.
- Easily and quickly applied with brush or roller. Does not form seams.
- Not harmful to human health and to environment thanks to **its low VOC** values.
- Has 100% elastomeric composition; does not shrink as it does not contain solvent.
- Almost odorless.
- Protects its elasticity even in low temperatures when cured. Overpaintable.

CONSUMPTION

Non-absorbent surfaces (tiles, ceramics): appr. 0.7 kg/m² (2 x 0.35 kg/m²) in 2 layers
Absorbent surfaces (concrete, wood, natural stone): appr. 1.0 kg/m² (3 x 0.35 kg/m²) in 3 layers

APPLICATION**PREPARATION OF THE SURFACE**

- The surface must be clear of materials that prevent bonding such as dust, oil, tar, paint, silicone, curing materials, detergents and mold release agents.
- Repair the weak parts of the concrete and remove poorly adhered plasters, make the surface smooth and solid. Repair the static cracks in the building with a plaster with **AQUALATEX** or **REPAIRGROUT EXPAN High Strength Shrinkage Compensated Grout Mortars**. Repair the dynamic (moving) cracks with FIXA's suitable MS, hybrid or polyurethane sealants. Seal any areas of water ingress with **AQUASTOP**.
- Under normal conditions, there is no need for primer. However, if the surface is dusty or excessively wet, prime with **POLAN A Polyurethane Floor Primer**. Apply the product within 6 – 18 hours after priming.
- Bevel the corners.

APPLICATION

- AQUAMER HB is ready-to-use. Do not dilute or add any external substance. Mix before use.
- Cut the aluminum packaging of AQUAMER HB from the top corner in a triangle shape with scissors and pour directly onto the surface. Apply with a brush or roller.
- Apply AQUAMER HB in two layers perpendicular to each other. Wait 6 – 18 hours after the application of the first layer. Apply the second layer when the first layer is walkable on.
- It is recommended to use **IMPERMO Waterproofing Mesh** between the layers.
- For a smooth finish at the borders of the application area, surround the determined area with masking tape. Remove the tape in maximum 5 minutes after application.
- The area can be open for use in 24 – 48 hours, final curing takes place after 7 days.

CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- The 14 kg product contains 2 aluminum packages of 7 kg each. The packages are identical. The reason for separate packaging is to prevent rapid curing of the product during application. The packaging is designed for single use. Once opened, it is recommended that the product be fully consumed within the specified time.
- Do not add water or thinning solvent into the product.
- Protect the surface from water, rain, dew, frost and snow until it is completely dry.

PACKAGING

1 kg tin cans
7 kg plastic buckets (7 kg aluminum foiled package)
14 kg plastic buckets (2x7 kg aluminum foiled package)

SHELF LIFE

Expires in 12 months. Store unopened packages between +10°C and +25°C dry environment, protect from sunlight, stack up to 3 packages on the pallet.



Technical Data Sheet (TDS)

Form No: 5.01 TDS Aquamer HB
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HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, wash with plenty of water. Do not leave the cover open. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.