

**NEW
PRODUCT**



AKTERM



AKTERM HydroStop™
LIQUID SINGLE-COMPONENT RUBBER



100% WATERPROOF



AKTERM HydroStop™

Liquid single-component rubber – newest AKTERM® development.
The product is manufactured from high quality home-produced and imported raw materials and basically is a paste-like mass made of highly viscous latex emulsion, natural rubber and unique additives.

Due to a combination of ingredients developed in the **AKTERM®** laboratory, **AKTERM HydroStop™** forms an extra strong, elastic, single-piece, seamless coating that provides the most possibly effective waterproofing of the surface and protection against corrosion.



EASE OF USE



- **READY FOR USE**
- **EASY TO APPLY** – when applied with a sprayer the flow rate and the layer thickness are easily controlled
- **COMPLETE DRYING** of a 0.5 mm layer **IN 1 TO 4 HOURS!**
- **ECONOMICAL**
effective extra thin layers from 1.5 to 3 mm

RELIABLE COATING

- **ONE-PIECE, SEAMLESS, ELASTIC COATING**
- **HIGHLY ADHESIVE** to materials
- **WATER-RESISTING PROPERTIES**
- **RELIABLE SURFACE TRACTION**
at molecular level
- **RESISTANCE TO** ultraviolet radiation, ozone, negative impact of the environment and mechanical impact
- **FLAMMABILITY CLASSIFICATION G1**
- **OPERATIONAL LIFETIME OVER 15 YEARS**



FIREPROOF



SAFE

for children, pets and plants



DOES NOT CAUSE ALLERGIES OR BURNS



NON-TOXIC

the product can even be used
in rooms with insufficient ventilation



Can be used both **INSIDE and OUTSIDE**



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LIQUID INSULATION

FOR HOMES, BUSINESSES,

PRODUCTION ENTERPRISES

AKTERM HydroStop™

Acrylic mastic **AKTERM HydroStop** - high quality ready to use environmentally friendly water-dispersion one-component pasty mass of white color on acrylic base does not contain solvents. Mastic has a thixotropic consistency, thanks to which it is easily applied to horizontal, inclined and vertical surfaces. After the rapid evaporation of water, the mastic HydroStop becomes an elastic membrane that does not stick, becomes strong enough to withstand the loads. In addition, it forms an excellent base suitable for applying acrylic adhesives used for laying ceramic tiles, marble and natural stone.

The elastic membrane allows you to withstand the usual deformation during expansion and contraction of the base associated with temperature fluctuations and vibrations. Due to its elasticity, it acts as an anti-tarpaulin m for bases subject to slight cracking (1 mm).

Mastic Hydrostop possesses water resistance, resistance to ordinary lime water (PH 12), water containing chlorine, and ordinary detergents and cleaning products that are used in domestic conditions.

Application area

AKTERM HydroStop is designed for horizontal and vertical surfaces inside and outside the room that are subjected to prolonged contact with water. It is a multifunctional product that is used for primary and repair waterproofing of roofing materials, including fibrous cement, reinforced concrete roofs, aluminum, steel, tile roofs; for waterproofing basements, wet rooms, walls before laying tiles, bases for installing underfloor heating, floors and walls in bathrooms and toilet rooms, kitchens, pools, fountains, tanks for industrial water; it is used as a waterproofing membrane for protection against external and internal moisture, both of socles and facades of buildings, when thinning with mastic with water up to 10-1596; as a primer for deep penetration, by diluting with water (for 1 kg of mastic 5 kg of water); as glue when laying tiles and mosaics in pools, as well as gluing fiberglass when repairing roofs; for sealing panel joints and pool joints;

AKTERM HydroStop is applied on gypsum or cement plasters, drywall, lightweight cement blocks, shipbuilding plywood, cement, anhydrite, wood and magnesite bases, existing coatings from ceramics and natural stone, after their preliminary treatment with a deep penetration primer on acrylic base.

Surface preparation

The base must be strong, clean, dry, free from oil, grease, old paint or other substances that may affect adhesion, existing bases (floor coverings, old bituminous membranes, asphalt, metal surfaces, etc., e.), waterproofing should be applied, should be thoroughly cleaned with water, a brush, water under pressure or steam from mold, loose particles and residues of other substances.

The cement base must be strong, dry and not subject to capillary rising of moisture. Highly absorbent substrates or gypsum substrates should be pre-treated with an acrylic primer to ensure complete penetration. Anhydrite or gypsum bases must be completely dry (maximum residual moisture 0.596), sanded and treated with soil-based compounds. Existing bases of ceramic tile or natural stone should be treated with acrylic primer before applying mastic **AKTERM HydroStop**.

If the **Hydrostop** mastic is applied to the damaged substrate as an anti-cracking membrane, a reinforced mesh is recommended for the intermediate layer.

Application

AKTERM HydroStop is applied with a notched trowel, roller, brush or spray (if necessary, it can be diluted depending on the application method from 3 to 1096 with water). The material is applied in even thin layers (approximately 1 mm of thickness). After the first layer has dried, apply the following layers crosswise (after 1-2 days depending on the temperature and humidity of the environment). The final thickness of the mastic layer should be at least 2 mm to create a dense, solid and elastic layer on the surface. It is imperative to check the uniformity of the surface and the absence of gaps caused by base defects, 24 hours after the application of the last layer of **AKTERM** mastic, (depending on the temperature and humidity of the environment), it is possible to lay ceramic tiles or natural stone cladding.

When painting the pool, it is better to apply mastic up to 5 layers with a roller or with the help of spraying, with a total thickness of at least 2 mm, if necessary, it can be diluted with water. Interlayer drying of each layer should be 24-48 hours depending on the temperature and humidity of the environment. When laying ceramic tiles, it is necessary to prime the surface with a primer on the mastic to glue the tile. Apply mastic with a spatula 4 mm crosswise, the thickness of the layer should be 2-3 mm. Exposure of the time before filling with water is at least 2 weeks to complete drying of the entire system.

For roofing, the base must be strong, clean, dry, free from oil, grease, old paint or other substances that may affect adhesion. Apply mastic and put on her fiberglass or fiber fabric. Full drying (thickness 2 mm) at + 15°C is 96 hours, Exposure before facing tiles - 72 hours. After finishing work, wash the tool with water.

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Technical data

Consistency: homogeneous paste
Colour: white
Low density: 1.4-1.5 g / cm
Brookfeld viscosity: from 250,000 to 450,000 MPa.s
Heat resistance: from -40 ° C to + 100 ° C
Consumption: 0.6-1 kg/m with a thickness of 1 mm solid layer
Application temperature: from + 10 ° C to + 35 ° C
Drying time: 10 hours at a temperature of +15 ° C.
The warranty period is 18 months
Relative extension: 500%
Adhesion to concrete: not less 2MPa
Possibility of walking: after 24 hours
Water tightness: W8(8ATM)

Recommendations

It is not recommended to apply mastic at temperatures below + 10 ° C.
Where necessary, create sloping surfaces to prevent the permanent formation of pools of water before the material dries.
Do not apply mastic on wet cement substrates or bases susceptible to capillary rising moisture.
Do not apply mastic on bitumen or asphalt coatings, which emit oils or plasticizing agents.
AKTERM Hydrostop should be protected from abrasive wear caused by pedestrian loads by laying ceramic tiles or natural stone cladding. Working surfaces should be primed in accordance with the manufacturer's recommendations

Warranty

The above information is based on laboratory testing, practical experience and is presented in its entirety. The manufacturer guarantees that the product complies with its specifications when complying with the rules for storage, preparation and application, which are given in this technical specification. The manufacturer is responsible for the misuse of the material, as well as for damage associated with the use of the product for other purposes and conditions not covered by the technical description. The manufacturer reserves the right to make changes to the above information without prior notice.



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