AKTERM HydroStop - acrylic mastic is a ready-to-use, environmentally friendly, water-dispersed, one-component paste -like mass of white on an acrylic basis, which does not contain a solvent. Waterproofing mastic has a thixotropic consistency, due to which it is easily applied to horizontal, inclined, and vertical surfaces. After rapid evaporation of water, **HydroStop mastic** becomes an elastic membrane that does not stick and becomes strong enough to withstand loads. The coating forms an excellent base, suitable for applying acrylic adhesives used for laying ceramic tiles, marble, and natural stone. The elastic membrane withstands deformations during expansion and contraction of the base due to temperature fluctuations and vibrations. HydroStop mastic is water-resistant; it has resistance to ordinary and lime water (pH >12), water with a chlorine content, as well as ordinary detergents and cleaners that are used in domestic conditions.

AKTERM
LIQUIDINSULATIONCOATINGS

AKTERM HydroStop ™

Basic properties

highly elastic waterproofing acrylic mastic "liquid rubber"

- 100% waterproofing
- High elasticity
- Adhesion to any type of substrate
- Weather resistance to aggressive environments
- No cracking
- Sound and noise insulation properties
- Resistant to UV rays
- 10-year warranty
- Covers any surface. No smell

• RAL color matching system

Application area

The mastic is intended for horizontal and vertical surfaces inside and outside the premises, which are exposed to prolonged contact with water. It is a multifunctional product that is used for primary and repair waterproofing of roofing materials, including fiber cement, reinforced concrete roofs, aluminum, steel, and tile roofs; waterproofing of basements, damp rooms, and walls before laying tiles; waterproofing of foundations during installation of underfloor heating, floors and walls in bathrooms and toilets, kitchens, pools, fountains, and reservoirs for industrial water; it is used as a waterproofing membrane to protect against external and internal moisture, both pedestals and facades of buildings; when diluting mastic with water up to 10%; as a primer for deep penetration, by dilution with water (5 l of water per 1 kg of mastic); as an adhesive when laying tiles and mosaics in pools, as well as gluing fiberglass when repairing roofs; for sealing panel seams and joints in pools.

The mastic is applied on gypsum or cement plasters, drywall, lightweight cement blocks, shipbuilding plywood, cement, anhydride, wood and magnesite substrates, existing coatings made of ceramics and natural stone, after their preliminary treatment with a deep penetration primer on an acrylic base.

Surface Preparation:

The base must be strong, clean, dry, free of oil, grease, old paint or other substances that may affect adhesion. Existing substrates (flooring, old bitumen membranes, asphalt, metal surface, etc. on which waterproofing will be applied) should be thoroughly cleaned of mold, exfoliated particles, and residues of other substances with water, a brush, water under pressure, or steam. The cement base must be strong, dry and not subject to capillary rise in moisture. High absorbent substrates or gypsum substrates must be pre-treated with an acrylic primer to ensure complete penetration. Substrates made of anhydrite or gypsum must be completely dry (maximum residual moisture content 0.5%), sanded, and treated with primers. Existing bases made of ceramic tiles and natural stone should be treated with an acrylic primer before applying HydroStop mastic. If HydroStop mastic is applied to the damaged base as a membrane against cracking, it is recommended to lay a reinforced mesh for the intermediate layer.

Application

The mastic is applied with a notched trowel, roller, brush, or spray gun (if necessary, it can be diluted with 3 to 10% water, depending on the application method). The material is applied in uniform thin layers of 1 mm. After the first coat 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 must be at least 2 mm in order to create a dense, solid and elastic layer on the surface It is imperative to check the uniformity of the surface for any gaps caused by defects in the substrate. 24 hours after applying the last coat of AKTERM mastic (depending on temperature and humidity), laying of ceramic tiles or natural stone cladding is allowed. When painting the pool, it is better to apply mastic in 4-5 layers with a roller or by pneumatic spraying, with a total thickness of at least 2 mm; if necessary, it can be diluted with up to 5% water. The interlayer drying of each layer should take 24-48 hours depending on the temperature and humidity of the environment. When laying ceramic tiles, the surface must be primed. The exposure time before filling with water is at least 2 weeks until the entire system dries out completely.

For roofing, the foundation must be strong, clean, dry, free of oil, grease, old paint or other substances that may affect adhesion.
Apply the mastic and place fiberglass or fiber cloth on it. Full drying (thickness 2 mm) at +15 °C is 96 hours. The exposure time before tiling is 72 hours. Wash the tool with water at the end of work.
Consistency: Homogeneous pasty mass
Color: White
Density: 1.4-1.5 g/cm3

Brookfield viscosity: from 250 000 to 450 000 MPa s;
Heat resistance: from -40 °C to + 130 °C
Consumption: 0.6-1 kg-m2 with a continuous layer thickness of 1 mm
Application temperature: From +10 °C to + 40 °C
Drying time: 12 hours at a temperature of +20 °C
Warranty period of storage: 12 months
Elongation: 500%
Adhesion to concrete at least 2 MPa
Walking ability: After 24 hours
Water resistance: Not less than W8 (8 Atm)

Recommendations:

It is not recommended to apply mastic at temperatures below + 10 °C. Where necessary, create inclined surfaces to prevent the constant formation of water puddles until the material dries.

Do not apply mastic to wet cement substrates or substrates subject to capillary rise in moisture. Do not apply mastic to bitumen or asphalt coatings that release oils or plasticizing agents. HydroStop mastic should be protected from abrasive wear caused by pedestrian loads by laying ceramic tiles or natural stone cladding.

MANUFACTURER WARRANTY

The above information is based on laboratory tests and practical experience and is presented in its entirety. The manufacturer guarantees the compliance of this product with its technical characteristics provided that the rules of storage, preparation, and application, which are given in this technical description, are fulfilled. The manufacturer is not responsible for misuse of the material, as well as for damage associated with the use of the product for other purposes not provided for in the technical description. The manufacturer reserves the right to make changes to the above information without prior notice.