

TECHNICAL DATA SHEET

FOME FLEX HYDRO DEFENCE ALL SEASON MASTIC



Liquid one-component bituminous compound for the production of waterproof seamless coatings. The mastic is slightly modified with synthetic rubber and special additives that increase the elasticity of the final coating. Suitable for waterproofing foundations, balconies and flat roofs (according to EN 1928:2000). Can be used on wet surfaces. Suitable for use during all seasons.

BENEFITS

- Quick drying
- High performance
- Can be applied on slightly humid substrates
- Ready to use
- Short drying time
- Creates elastic coats resistant to weak acids and base

APPLICATION

- Old roof felt maintenance & refurbishment
- Applying waterproofing coatings on horizontal and vertical surfaces
- Protecting construction elements from moisture influence
- The product can be used in bridge construction to protect metal surfaces from corrosion

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

PN-B-24620:1998

PN-B-24620:1998/Az1:2004

TECHNICAL DATA SHEET

TECHNICAL DATA

Colour	Value
Black	+
Appearance	Value
Paste	+
Uncured - tested at 23 °C and 50% relative humidity	Value
Density [g/cm ³]	1,4 - 1,5
Drying time [h]	12
Flash point [°C]	≥31
Solid Content [%]	>70
Water content [%]	≤0,5
Consumption (for 1 layer) [kg/m ²]	0,6 - 0,8
Conditions of application	Value
Application temperature [°C]	-20 ... +35
Chemical resistance	Value
Resistant for weak acids and bases	+
Adhesion to surface	Value
Concrete	+
Bituminous paper	+
Bituminous coverings	+
Bituminous shingles	+
Metal	+

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

The pull-off strength of the substrate shall be at least 1.0 MPa.

Concrete substrate must be unfrozen and unfrosted; concrete in air-dry condition, without visible large damp patches.

The substrate must be clean and free from loose particles, dust, oil, grease and other contamination. Metal surfaces must be cleaned of rust, old paint, grease and other contaminants prior to application.

Prime the surface with FOME FLEX HYDRO DEFENCE ALL SEASON Primer.

Product preparation

Apply cold. During cold weather, to facilitate work it is recommended to put the container with the product in a warm room for 1-2 days. Mix before use.

Application

The product can be applied with brush or roller.

Apply the first layer by rubbing into substrate with broom or brush (before applying following layer make sure the previous one is dry).

Foundations, underground parts of the building, hydrophobic insulation under floor pavement – put the mastic in 2-3 layers depending on estimated water amount. In case of "hard" terrains (ground movement, exposed to

TECHNICAL DATA SHEET

big amounts of water etc.) it is recommended to put 3 layers and use additionally reinforcing mesh embedded into 2 layer.

Flat roofs coating – put at least 3 layers of mastic, embedding into 2 layer reinforcing mesh; fold the mesh on vertical elements on the roof. In order to prolong the coating life it is recommended to scatter the coating with grit.

Roof coverings preservation – put at least 2 layers of mastic. In order to prolong the coating life it is recommended to scatter the coating with grit.

When waterproofing, it is recommended to dip sealing tape or technical fabric along the joints and corners.

In the case of damp proofing or waterproofing on surfaces of civil engineering structures which are partially covered with soil, e.g. bridge supports or retaining walls, the waterproofing must also be carried out on surfaces which are not covered with soil up to a height of approx. 30 cm above ground level.

In the case of heavy-duty waterproofing, including waterproofing under pressure, a reinforcing liner made of technical fabric must be used on the insulated surfaces.

Works after completion of application

Clean tools with bituminous cleaner or organic solvent.

Remarks / restriction

When working, wear protective clothes, goggles and gloves.

DO NOT WASH HANDS WITH SOLVENTS.

The product contains organic solvent, should not be used indoors, and outdoors in areas in direct contact with the living area, such as on balconies and terraces above ground level.

Avoid contact with tar and paper tar.

Do not use in contact with polystyrene foam.

Do not heat.

Recommended to conduct tests in an inconspicuous area.

Do not use on building elements exposed to negative water vapour pressure (negative water vapour pressure), which may lead to detachment of the insulation or formation of blisters in the completed coating.

The completed coating should not be subjected to rope or point loads, as this may break the continuity of the insulation.

REMARKS / RESTRICTION

All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on product hardening conditions (c.a., ambient, surface temperature, quality of used equipment and skills of person applying the product).

TRANSPORT / STORAGE

Product is packaged in 18 kg and 9 kg pails. Store up to 12 months in originally sealed containers. Containers should be stored upright away from sources of fire and heating elements, in conditions which protect them from sunlight and improper weather. Can be stored at sub-zero temperatures.

Allowable negative transport and storage temperature of -30 °C for a continuous period of 5 weeks. Allow 4 cycles of freezing and thawing at the allowable negative temperature.

SAFETY AND HEALTH PRECAUTIONS

For detailed information find Material Safety Data Sheet available at producer upon request. All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles. Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.