

TECHNICAL DATA SHEET

**FOME FLEX
RAPID HYDRO DEFENCE FILLER**

One-component bituminous-polymer filler dedicated to even cavities, scratches and holes before waterproofing, for fixing polystyrene boards to the surface and for repairing various bituminous roof coverings. Creates waterproof, durable and elastic joints. Adheres to concrete, galvanized sheet, PS and XPS boards, bituminous coatings and OSB boards. Quick drying and rain resistant after just 2 hours. UV resistant. Safe for the environment, without solvents - non-flammable, odorless.



BENEFITS

- quick drying
- creates permanent elastic joints which bridge the cracks
- compatible with bituminous and mineral substrates and styrofoam
- environmentally friendly, solvent free
- vertical flow resistance in increased temperature (up to +90 °C)
- ready to use
- high UV resistance

APPLICATION

- filling and levelling of the substrate
- filling damages, scratches and cracks
- spot repairs and sealings of roof coverings
- gluing the polystyrene boards

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- PN-B-24002:1997
- PN-B-24002:1997/Ap1:2001

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Colour	Value
Black-brown, black after hardening	+
Appearance	Value
Consistency Thick paste	+
Uncured - tested at 23°C and 50% relative humidity	Value
Density [g/cm ³]	1,25 - 1,3
Rain resistance [h]	2 - 4
Consumption (for 1 layer) [kg/m ²]	1,2
Cured - tested after 2 weeks at 23 °C and 50% relative humidity	Value
Coating permeability under pressure 1000 mm/48h layer thickness [mm]	≥1
Coating permeability under pressure 6000 cm/48h layer thickness [mm]	≥1,5
Temperature resistance [°C]	-30 - +90
Cured - tested after 2 weeks at 50% RH	Value
Flexural strength at low temperatures on half-circle of a 50 mm diameter pad [°C]	-30
Resistance to flowing at elevated temperatures [°C]	+90
Cured - tested after 2 weeks at 4 °C and 50% RH	Value
Stress at break (temp. 4 °C) [MPa]	2,5 - 2,7
Elongation at break (temp. 4 °C) [%]	60
Crack-bridging, layer thickness 2 mm (temp. 4 °C) [mm]	≤1
Conditions of application	Value
Application temperature [°C]	+5 - +35
Adhesion to surface	Value
Concrete	+
Galvanized sheet	+
Extruded polystyrene	+
Expanded polystyrene	+
Bituminous paper	+
Bituminous shingless	+
OSB board	+

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

The surface should be clean and even, dry (may be slightly damp), and free of grease and other particles reducing adhesion, also without build-ups and mechanical damage. Prime the surface with Rapid Hydro Defence Primer. The works should be performed in good weather, at the ambient temperature and the surface temperature between +5 °C and +35 °C. Fresh works should be protected against rain and frost.

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Putty

Apply the filler with a spatula in strips up to 10 mm thick. Apply thinner layers at high temperatures. When caulking through the joints, reinforce the area with 15 cm of dipped polyester fiber on each side with a weight of about 80 g/m². Cover the filled areas with roof covering or Rapid Hydro Defence Mastic. Consumption: about 1.2 kg/m² when the thickness is 1 mm. Initial drying time: 2 hours, complete drying depends on the thickness of the filler - about 2 mm. per day at a temperature of +20 °C.

Fixing

Apply the filler with dots or strips on the side of the heat-insulating panels to be fixed. Wait about 10 min. and press against the surface. Hydrophobized thermal insulation panels must be sanded before gluing. It is not suitable for gluing large surfaces of two non-absorbent materials.

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 5 kg and 1 kg pails. Store up to 18 months in original sealed packaging at +5 °C to +30 °C. Protect from frost and avoid temperatures above 35 °C and direct sunlight. Store and transport at a temperature not lower than +5 °C.

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.