

# ASFALTMULL MAP

## Cold mix asphalt

**Description:** Water-based bituminous waterproofing paste modified with special resins and additives.

**Advantages:**

- Good resistance to saline solutions.
- Easy cold application.
- Resistant to aging.
- Superior adhesion and elasticity compared to normal bituminous emulsions.
- Odourless, non-flammable product.
- Non-toxic product, free from solvents.

**Applications:**

- It is suitable for waterproofing concrete structures of foundations and retaining walls.
- Repair and seal non-walkable slabs of flat, inclined or curved roofs affected by micro-cracks or cracks not subject to heavy expansion.
- It is particularly suitable where the use of solvent-based products is prohibited.

**Surface preparation:**

- Make sure that the surface is free from detached parts, loose debris or non-adherent parts, coatings, rust, powder, or release oils; carefully clean the surfaces, which must be sound and dry.
- It can also be applied on damp surfaces due to the presence of particular additives that equally allow adhesion.
- Apply at temperatures between +5 °C and +35 °C; avoid extremely hot or cold conditions during application and drying of the film.

**Application:**

- Mix Asfaltmull Map before use.
- Apply as is by broom, brush, or roller.
- To improve product performance, we recommend applying two coats.
- The second coat should be applied when the first is perfectly dry.
- The product is completely dry on average after 8 hours at a temperature of 25 °C (changes depend on the surface and the quantity of product applied).
- Before applying, it is advisable to check the solidity and efficiency of the water run-off points of the surface to be waterproofed.
- If left exposed, the dried film is to be protected with reflective paints or water-based coloured decorative paints.
- After use, wash tools with water and, if the product has dried, it is advisable to remove it with hot water or with the common synthetic thinners.

**Consumption:** Consumption depends on the porosity of the surfaces to be treated and varies between 1.0-1.5 kg/m<sup>2</sup> (per coat).

**Warnings:**

- We recommend applying the product at ambient temperatures no lower than +5 °C and when there are no weather conditions such as fog, rain, or frost, and in any case avoid extreme situations of cold and heat.
- Avoid applying the product on surfaces subject to standing water.
- Do not use to coat surfaces in contact with drinking water.
- Do not apply on very hot surfaces, which would adversely affect the product's cohesion and adhesion to the surface.
- Protect from frost, do not expose the package to temperatures below +5 °C; once frozen, the product can no longer be recovered.
- For further information, request the safety data sheet.

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**Packaging:** 5, 10, and 20 kg metal or plastic pails.  
200 kg plastic or metal drums.

**Technical data:**

MAIN CHARACTERISTICS		
Appearance		Liquid paste
Colour		Black
Shelf life in closed original packaging		12 months
Solid content ( <i>m/m at 130 °C</i> )	EN ISO 3251	(74-82)%
Brookfield viscosity ( <i>at 20 °C, spindle 6; 10 rpm</i> )	EN ISO 3219	(60,000±12,000)cP
Density ( <i>at 20 °C</i> )	EN ISO 2811-1	(1.35-1.45) kg/L
pH ( <i>at 20 °C</i> )		8.0-11.0
Drying time		100-150 minutes*
Complete drying time		12 hours*
PERFORMANCE PROPERTIES - EN 1504-2 SURFACE PROTECTION SYSTEMS FOR CONCRETE (C COATINGS – PRINCIPLES: PI-MC-IR)		
Permeability to CO <sub>2</sub>	EN 1062-6	S <sub>D</sub> > 50 m
Water vapour permeability	EN ISO 7783	Class I (S <sub>D</sub> < 5 m)
Liquid water permeability	EN 1062-3	w < 0.1 kg/m <sup>2</sup> ·h <sup>0.5</sup>
Tensile bond strength	EN 1542	≥ 1 N/mm <sup>2</sup>

\* Measurements have been recorded at a temperature of 23 °C and with 50% moisture. Declared data may vary depending on the thickness of the applied product and on the specific conditions of the construction site: temperature, humidity, ventilation, and absorbency of surfaces.



The advice and technical information provided represent HA ITALIA S.p.A.'s best knowledge of product properties and use. Considering the different situations of use of the products and factors beyond our control (media, working conditions, failure to comply with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to make use of it is required to determine whether it is suitable for the intended use and assumes full liability for whatever may arise from its use.

**HA Italia disclaims any and all liability arising from failure to observe the warnings mentioned in this data sheet and failure to comply with the requirements set out in the safety data sheet.**

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