

## **ELASTIFOND GUM**

### **Self-protected bituminous liquid sheath**

- Description:** High-thickness liquid waterproofing coating, formulated with bitumen in aqueous emulsion, selected elastomeric resins, rubber granules, and special additives.
- Advantages:**
- High mechanical resistance to damage resulting from stones, bricks, humidity, salt spray, and infiltration, as well as accidental damage caused by backfill operations.
  - High waterproofing power.
  - Excellent adhesion to the surface.
  - Constant elasticity even on structures subject to frequent movements without the risk of microcrack formation.
  - Easy laying: allows considerable savings in time and labour.
  - Odourless, non-flammable product.
  - Non-toxic product, free from solvents.
- Applications:**
- Waterproofing of horizontal and vertical surfaces in concrete and brick.
  - Gluing insulation panels used to protect perimeter waterproofing.
  - External waterproofing of foundations, cellars, underground garages, and load-bearing walls.
- 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 solid, even, and dry and in the case of concrete surfaces must not have been previously treated with evaporation retardant products.
  - The surfaces to be treated must be mature and aged and must not have defects or irregularities that lead to applying excessively thick layers of product and compromising regular drying.
  - Check that there is no rising damp or water backpressure.
- Application:**
- Used as is with a spatula or smooth steel or plastic trowel.
  - We recommend wetting with water and keeping the spatula clean to favour yield.
  - The material remains easily workable for up to 2/3 hours after opening the pail. If you interrupt application, it is sufficient to close the nylon bag inside the packaging.
  - Backfill operations can take place with a perfectly dry product, 72/96 hours after application on the last part of the structure.
  - Wash tools with water immediately after use; after hardening, the product should be removed with hot water or common thinners.
- Consumption:** On average, to achieve 2 mm thickness of dry product, consumption is approximately 2.5 - 3.5 kg/m<sup>2</sup> depending on the type of surface. Product consumption should ensure a minimum thickness of 2 mm and can reach a maximum thickness of 3 mm on vertical surfaces and 5 mm on horizontal surfaces.
- Warnings:**
- We recommend applying the product on surfaces not subject to standing water.
  - Check (according to UNI 10329) that the residual humidity content of the cement surface to be treated is  $\leq 5\%$  by weight (for screeds with a density of 2000 kg/m<sup>3</sup>).
  - Apply at temperatures between +5 °C and +35 °C; avoid extremely hot or cold conditions during application and drying of the film.
  - Do not apply on very hot surfaces, which would adversely affect the product's cohesion and adhesion to the surface.
  - It can be stepped on in case of occasional maintenance.

- 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.

**Packaging:** 5, 10, and 20 kg metal or plastic pails.  
(Pails with attached internal resealable nylon bag available on request).

**Technical data:**

| MAIN CHARACTERISTICS   |               |   |
|--|---------------|---|
| Appearance   |               | Thick paste                                 |
| Colour   |               | Black                                       |
| Shelf life in closed original packaging  |               | 24 months                                   |
| Solid content (m/m at 130 °C)  | EN ISO 3251   | (76-83)%                                    |
| Brookfield viscosity (at 20 °C, spindle 6; 10 rpm)   | EN ISO 3219   | (70,000±14,000)cP                           |
| Density (at 20 °C)   | EN ISO 2811-1 | (1.39-1.49) kg/L                            |
| pH (at 20 °C)  |               | 6.5-8.5                                     |
| Drying time  |               | 2 days*                                     |
| Operating temperature  |               | -30°C - +80°C                               |
| PERFORMANCE PROPERTIES - EN 1504-2<br>SURFACE PROTECTION SYSTEMS FOR CONCRETE<br>(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>                       |
| Reaction to fire   | EN 13501-1    | E   |

\* 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 absorptivity 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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