

HYDROPRIMER

Bituminous primer

- Description:** Water-based primer, formulated with bitumen in aqueous emulsion and special additives.
- Advantages:**
- Blocks the effects of dust and minimises porosity in concrete.
 - Favours the adhesion of polymer-bitumen membranes and ensures a good grip.
 - Excellent adhesion and penetration on all dry cement-based surfaces, including slightly wet ones.
 - No stickiness.
 - Odourless, non-flammable product.
 - Non-toxic product, free from solvents.
- Applications:**
- Undercoat before hot bonding of polymer-bitumen membranes or the laying of liquid bituminous sheets on cement structures of viaducts, bridges, foundation walls, roofs of civil and industrial buildings.
 - Used as a consolidating fixative primer on cement, wood and metal surfaces.
 - Protection and waterproofing of both exposed and buried metal pipes and tanks.
 - Particularly indicated for waterproofing works in residential areas, where the use of solvent-based products is not recommended.
 - Suitable for forming a levelling mortar after mixing with cement class 32.5 R (cement:hydroprimer ratio equal to 1.6:1 in weight) and adding water, depending on the desired workability, in a quantity of about 1-2% on the weight of the mixture.
- 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. Avoid application if bad weather is forecast, as it could negatively affect the proper drying of the product.
- Application:**
- Apply by brush, broom, roller or spray.
 - Mix slightly before use.
 - Dilute up to 10% with water.
 - Equipment can be cleaned with water or with common synthetic thinners.
- Consumption:** The consumption of primer greatly depends on the porosity and therefore absorption by the surface: indicatively the consumption varies from 100-200 g/m².
- Warnings:**
- Apply the polymer-bitumen membranes on primer-coated concrete only when the latter is perfectly dry.
 - Application at extreme temperatures, both of the environment and of the surface, is not recommended.
 - 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/m³).
 - Do not use to waterproof surfaces or containers intended to contain edible liquids, drinking water or which are in contact with solvents or mineral oils.
 - 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.
 - Consult the information at the bottom of this document.

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Packaging: 1, 5, 10, 18, 20 and 25 L metal or plastic pails.
200 L metal drums.
1000 L IBC.

Technical data:

| MAIN CHARACTERISTICS | | |
|---|---------------|---------------------------|
| Appearance | | Liquid |
| Colour | | Brown (Black once dry) |
| Shelf life in closed original packaging | | 24 months |
| Solid content (<i>m/m at 130 °C</i>) | EN ISO 3251 | (23-27)% |
| Viscosity (<i>Flow time at 20 °C, Φ 4 mm cup</i>) | EN ISO 2431 | (14-20) seconds |
| Density (<i>at 20 °C</i>) | EN ISO 2811-1 | (0.97-1.03) kg/L |
| pH (<i>at 20 °C</i>) | | 8.0-11.0 |
| Drying time | | 30 - 60 minutes* |

* 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 absorbcency 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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