

## ANTISAL BARRIER

Chemical barrier for walls against rising damp

**Description:** Single-component liquid based on polar solvents and special additives for the treatment of damp walls.

**Advantages:**

- Creates a hydrophobic filter and prevents rising damp, thus eliminating unsightly efflorescence and the disintegrating action due to crystallisation.
- Facilitates the evaporation of humidity in walls.
- Penetrates into the pores of the material without creating surface films and vapour barriers.
- Easy to apply.
- Features high penetration even on extremely compact materials.
- Prevents the transport of hygroscopic salts.

**Applications:** Used for the external and internal treatment of above-ground or partially underground walls affected by rising damp and saline efflorescence. In general, it is used in all cases of exposed walls or in combination with dehumidifying plasters. Rising damp carries large quantities of salts, such as sulphates, chlorides, nitrates, etc., along its path; these then crystallise giving rise to efflorescence. The tensions generated by the crystallisation of the salts cause chalking and detachment of plaster and finishes, due to the increase in volume of the salt crystals.

**Surface preparation:**

- Remove the old plaster for about 0.5 m beyond the sign of the maximum level reached by humidity during the seasons. Brush the surface vigorously removing all loose materials without consistency, oils, release agents, salts, dust and soiling in general by tapping, brushing and hydro-washing.
- Fill any cavities with shards of brick or gauged mortar.
- For walls strongly impregnated with salts and oily substances, wash with a 10% alcohol solution in water, applied with a brush.

**Application:**

- Drill with a  $\varnothing$  12 mm drill bit for about  $\frac{3}{4}$  of the wall's thickness. Place the holes horizontally every 10-12 cm in two staggered rows, spaced about 8 cm apart. The holes should also be inclined by about  $10^\circ$ . Fasten the injection pipes with cement mortar and wait for the mortar to set before injecting the product.
- Antisal Barrier is ready to use and is applied by low pressure injection, using a special pump, or by gravity. Impregnation should be carried out when the surface is saturated.

**Consumption:** -Consumption is highly variable from 0.1 to 1 litre per hole depending on the porosity of the surface.

**Warnings:**

- Do not use in non-ventilated premises.
- Do not use on surfaces or containers intended to contain edible liquids, drinking water or which are in contact with solvents or mineral oils.
- Flammable product; Store in tightly sealed original packaging.
- Do not expose to temperatures over  $30^\circ\text{C}$ , direct sunlight, heat sources, open flames or other sources of ignition.
- Comply with the information on the safety data sheet.
- Consult the information at the bottom of this document.

**Packaging:** 5 and 10 L metal pails.  
200 L metal drums.

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## Technical data:

MAIN CHARACTERISTICS		
Appearance		Liquid
Colour		Colourless
Shelf life in closed original packaging		24 months
Closed-cup flash point	ASTM D3828-87	> +23 °C
Density (at 20 °C)	EN ISO 2811-1	(0.77-0.83) kg/L
Viscosity (Flow time at 20 °C, $\phi$ 4 mm cup)	EN ISO 2431	12 - 16 seconds
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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	<p><b>HA ITALIA S.p.A.</b>  <b>DIVISIONE PRODOTTI SPECIALI</b>          Viale della Scienza 78 -80 - 36100 Vicenza - Italy          Stabilimento Via Vicenza 72 - 36015 Schio (VI)          P.I. e C.F. IT00169590247 - Ph +39 0445 678000          info@ha-italia.com - www.ha-italia.com - <a href="#">in</a> ha italia s.p.a - <a href="#">f</a> ha italia s.p.a</p>	 <p>MANAGEMENT SYSTEM CERTIFICATION  <b>DNV</b>          ISO 9001 - ISO 14001          ISO 45001 - ISO 50001</p>
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