

Hidro Rep Plus

Hydrophobizing, siloxane-based water repellent with high penetration, specifically for the cortical treatment of different types of absorbent building materials, with high and medium alkalinity.

Hidro Rep Plus is a hydrophobizing, siloxane-based water repellent with high penetration, specifically for the cortical treatment of different types of absorbent building materials, such as exposed brickwork, natural stone and tufa, etc. Unlike traditional protective hydrophobizing film-forming materials, **Hidro Rep Plus** penetrates deep down without altering the external aspect and the permeability of water vapour, leaving the substrates treated perfectly breathable, but water repellent.



MAIN FIELDS OF USE

Hidro Rep Plus is particularly suitable for the hydrophobizing and protective treatment of different types of absorbent building materials, such as:

- Plasters
- Exposed brickwork
- Concrete
- Natural stone
- Tufa
- Sandstone
- Expanded cement
- Earthenware
- Thermal insulation mineral materials
- Various types of cementitious substrates.
- Final protection for mineral paint for exteriors (limes, silicates)

To apply on different substrates, please contact our technical department.

CHARACTERISTICS

- Easy to apply: **Hidro Rep Plus** is a single-component, ready-to-use product
- Absence of superficial colour variations: unlike traditional hydrophobizing protective film-forming materials, **Hidro Rep Plus** penetrates deep down without altering the external aspect.
- Excellent breathability to water vapour: **Hidro Rep Plus** makes the treated surfaces highly permeable to water vapour and at the same time water repellent.
- Excellent pearl effect
- High adhesive strength in the presence of smog and dust
- Absence of the formation of surface films
- Resistance to acids and alkalis
- Long duration over time

- UV resistance
- Absence of reaction by-products

APPLICATION METHOD

Preparation of the substrate

Mechanically remove any crumbly or easily detachable parts by brushing and sandblasting. It is always necessary to seal cracks above 0.3 mm with suitable products such as **Artica** or **LicataKolor** grouting mortars. Thoroughly clean the application area so that it is free of dust, residue from surface treatments, such as detergents, oily substances, mineral or organic grease, wax, traces of chalk or salt. To obtain good penetration of the substrate, apply **HidroRep Plus** on cold, dry surfaces not exposed to the sun.

Due to the variety of existing materials, it is advisable to perform preliminary tests on samples of the material to be treated, in order to be able to verify:

- the effectiveness on the material to be treated
- the consumption which may vary based on absorption;
- the absence of colour variations.

Dilution

Single-component, ready-to-use product.

Application

The product, used as is, should be applied in multiple coats until saturated. The cortical hydrophobising treatment should be carried out with a low-pressure sprayer (0.5 bar) or brush. Apply **Hidro Rep Plus** evenly, taking care not to create drips or excess product which could cause marks or white stains. The materials, that have been treated, must be protected from rain immediately after application to prevent the product from being washed off. Protect surfaces in wood, glass, metal and plastic during the treatment.

Make sure that the ambient temperature, that of the substrate and product during application, is between +5 °C and +35 °C during use.

PRODUCT INFORMATION

Appearance	Clear liquid
Odour	Aromatic
Consumption	Generally speaking, consumption for a cortical treatment may vary from 0.100 to 0.150 L/m ² * * Product consumption depends on the nature of the substrates, their permeability and porosity. It is advisable to carry out preliminary tests during the diagnostic stage to figure out exact consumption.
Dilution	Ready to use
Workability time at 20 °C	No limit
Application temperature	From +5 °C to +35 °C
Storage	12 months in dry, protected place in unopened container at temperatures between +5 °C and +35 °C
Packaging	Polyethylene tanks of 1L, 5L and 10L
Active ingredient	Polydimethylsiloxane
Solvent	White spirits, aliphatic and aromatic hydrocarbons

PERFORMANCE

Characteristic	Test method	Legal requirement	Performance
Density at 25 °C			0.81 kg/L
Viscosity at 25 °C			0.6 mpa.s
Solidification point			- 30°C
Boiling point			+ 85 °C
Flash point			+ 50 °C

WARNINGS

- Professional product for use by specialised, skilled workers only.
- **Hidro Rep Plus** is flammable and must be kept away from naked flames, sparks and heat sources.
- Do not breathe in the vapours, avoid contact.
- During application and handling, as a precaution, use gloves, respiratory protection and protective glasses.
- In case of contact with eyes and skin, wash with plenty of water and consult a doctor if necessary.
- In case of ingestion, consult a doctor
- In case of fire, extinguish with CO₂, powder or with a light jet of water.
- Keep in a cold and dry place.
- Protect from heat and sun rays.
- Keep out of the reach of children.

SAFETY

Please consult the safety data sheet for information about product disposal, storage and usage.

NOTES

This data sheet replaces and voids all previous versions.

The indications and specifications given in this document are based on our current technical and scientific knowledge. They should, however, be considered as purely indicative because we have no control over the conditions in which the product will be used. The purchaser must, therefore, check that the product is suitable for his specific requirements. Our sales and technical network guarantees rapid consultancy services and is at your disposal for any clarifications and questions you may have about the use and application of **Licata SpA** products.

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