

# LITHOS IDROREP-W

WATER-BASED WATER-REPELLENT PENETRATING SEALER FOR STONE



**FOR POROUS STONE:** PLASTER, BRICK, NATURAL STONE, TERRACOTTA, CONCRETE, CEMENT MORTAR, MONUMENTS AND VARIOUS OBJECTS IN NATURAL OR ARTIFICIAL STONE.

## COVERAGE

The amount of product to be used is strictly related to the type of material and its permeability (its ability to receive the product). The table gives an indication of the coverage of some materials. For additional information or if you have any doubts, please contact our Technical Office.

Materiale	1st coat	2nd coat
Brick and roof tile	7 m <sup>2</sup> /l	14 m <sup>2</sup> /l
Porous concrete, mortar	4 m <sup>2</sup> /l	8 m <sup>2</sup> /l
Smooth concrete, stucco	10 m <sup>2</sup> /l	16-18 m <sup>2</sup> /l
Stone	6 m <sup>2</sup> /l	12 m <sup>2</sup> /l
Plaster	5 m <sup>2</sup> /l	16 m <sup>2</sup> /l

## TYPICAL USE

- ➔ **Water-repellent protective coating**, a mixture of siloxanes in water, suitable **for any type of porous stone surface**, whether natural or artificial.

## BENEFITS

- ➔ It **penetrates** into the material **without clogging the pores**, but rather rendering them hydrophobic. Does **not alter the breathability** of the material.
- ➔ It does **not alter the tone or colour** of the substrate.
- ➔ It creates a **barrier against "acid rain"**.
- ➔ It **reduces efflorescence** and the penetration of salty solutions typical of marine environments.
- ➔ It prevents anti-icing chemicals, salts or lime from infiltrating the structures of concrete bridges, thus preventing the serious damage that can ensue.
- ➔ It **reduces dirt** by retaining much less particles within the material.

- ➔ It **prevents material flaking and crumbling** that can be caused by frost/thaw.
- ➔ It prevents the formation of mould, algae, fungi, yeast and bacteria.
- ➔ It does **not react to UVA radiation**.
- ➔ **Safe** for the operator and the environment.

## APPLICATION METHOD

This product is **ready to use**.

Before the application:

- ➔ The **surfaces** to be treated must be perfectly **clean**.
- ➔ The **tools** must be **clean and dry**.

Tools:

Roller, low pressure spray, brush, immersion.

How to apply the product:

- ➔ Use it in environments with temperatures above +5 °C and below +30 °C.
- ➔ Apply one or two coats of the product, depending on the absorption

capacity of the material. See the table above for coverage. Lithos Idrorep-W **can be applied in two coats wet-on-wet** (the second coat should be applied while the surface is still wet to allow the product a better absorption).

- ➔ **Complete protective action** is achieved at least 48 hours after application.
- ➔ Due to the special characteristics of the product and if there are justified reasons, **it can be used prior to glue-laying terracotta or similar floor coverings on their cement substrates**. In this way, Lithos Idrorep-W performs an effective anti-rising action of the subfloor water. For any doubts, please consult our Technical Service.

Tool cleaning:

Rinse the used tools well with water immediately after use.

## WARNINGS

- ➔ **Do not nebulise the product:** inhalation of aerosols and/or mists may cause respiratory problems.
- ➔ **Do not apply** the product on very hot surfaces (above +30°C).
- ➔ **In case of imminent rain** do not use the product on exposed external surfaces. Protect external surfaces if there is a risk of rain before 48 hours after application.
- ➔ Protect eyes and wear protective gloves and clothing.

## STORAGE

Store the product in its original container, tightly closed, in a cool and ventilated place, away from heat sources. It is sensitive to frost! Storage temperature: between +5 °C and +30 °C. Shelf life: 12 months from production (see batch on packaging).

## PACKAGING

- ➔ 1-litre PE bottle (case pack - 12 pieces)
- ➔ 5-litre PE jerrycan (case pack - 4 pieces)
- ➔ 20-litre PE jerrycan (pallet - 36 pieces)

Upon request:

- ➔ 200-litre metal drum (pallet - 4 pieces)

Transport packaging consists of **ECO-SUSTAINABLE PALLETS** (with certification of use of wood sourced from PEFC-certified forests).

# LITHOS IDROREP-W

WATER-BASED WATER-REPELLENT PENETRATING SEALER FOR STONE



## HDG Group S.r.l.

Viale Grazia Cavanna, 3 Loc. SISSA  
43018 SISSA TRECASALI (PR) ITALY  
Ph. +39 0521379085  
Fax +39 0521877338  
[www.hdg.it](http://www.hdg.it)

## TECHNICAL SPECIFICATIONS

**Appearance:** liquid

**Colour:** white

**Odour:** plant essence

**pH:** 7.50

**Density:** 0.99 g/ml

**Solubility in water:** completely miscible

**Boiling point:** about 100°C

## LABELLING

No hazard statement.

### Precautionary statements

Keep out of reach of children.

This information is the result of our broadest scientific and operational experience to obtain the best results on the specific job. However, this information is not binding and does not imply our contractual responsibility, nor an accessory obligation with the contract of sale. It does not exempt the purchaser from their responsibility to personally test our products as to their suitability for their intended use. The information provided on this sheet is based on our current knowledge and, in case of changes due to new technologies and/or developments in the sector, it will be modified. Therefore, the Customer is obliged to verify that this sheet has not become obsolete as a result of being replaced by subsequent versions. If in doubt, contact our Technical Office.