

# MONNELI IDROSIL XS

*Solvent Based Silane-Siloxane Penetrating Water Repellant Treatment*

## Product Description

A single component penetrating Silane Siloxane treatment which penetrates into porous substrates and then reacts with moisture or pore water from the substrate to form a hydrophobic polysiloxane lining to the capillaries without clogging the pores or capillaries.

## Uses

**IDROSIL XS** is used as a colourless surface protection for the following:

- Reinforce concrete structure
- Cementitious substrate masonry
- All types of structures including those in coastal environments
- New and existing concrete

## Advantages

- Excellent penetration and water repellant characteristics
- Protects surface from discoloration and weathering
- Non-staining
- Reduces water and chloride intrusion
- Reduces efflorescence
- Breathable; Allows interior moisture to escape without damaging the sealer

## Instructions for Use

### Surface Treatment

All surfaces should be clean, sound and uncontaminated. This preparation should leave an exposed concrete, free

from dust, loose particles, deleterious matter, oil, grease, chemical films and other contaminants.

This is best achieved by lightly sandblasting the surface where moss, algae or similar growths have occurred. Treatment with a recommended biocide should be done after sandblasting process.

### Pre-Application

Test a small area of the surface (generally 1.0m x 1.0m section) before starting application of the sealer to ensure desired performance results, aesthetics & coverage rate. Allow 5-7 days for the product to fully react.

### Application

IDROSIL XS is a single component, applied at full strength and never diluted. Can be used directly from the container, no mixing is required but stir first before use. Apply by brush, roller or low-pressure spray

On vertical surfaces, IDROSIL XS should be flooded starting at the bottom working steadily upward.

For aggressive contamination, it is preferable to slightly sand blast the surface. Algae growth, if exists, should be treated with recommended biocide.

When used as a protective impregnation, a minimum of two applications is recommended. Thus, apply the second coat is still wet.

### Cleaning

Equipment and tools used should be cleaned with SOLVENTE 10 immediately after use.

### Recommendations

- Prolonged contact with air should be avoided
- Containers should be sealed when not in use
- Ensure adequate ventilation

## Technical Data

Properties	Results
Appearance	Colorless liquid
Density at 25°C	0.80 kg/L
Viscosity	9 cps
Flammability point	40°C
Temperature of application	from +5°C to +35°C
Overcoating time	Wet on wet application. Second coat can be applied immediately
Harmfulness EEC 88/379	Harmful for contact

All values are subject to 5-10 % tolerance

## Coverage

6-8m<sup>2</sup>/ liter depending on the porosity of the substrate

## Packaging

IDROSIL XS is packed in 20 & 200 Liter Drums.

## Storage

Store under cover, out of direct sunlight and protect from extreme temperature. If properly stored, the product has a shelf life of 12 months from the date of manufacturing.

## Health & Safety

IDROSIL XS should not be swallowed or come in contact with skin and eyes. Inhalation of spray should be avoided.

Wear protective clothing, goggles/masks and gloves during application.

Should accidental contact with skin take place, wash thoroughly with soap and water.

In case of contact with eyes, rinse with plenty and immediately seek medical advice.

If ingested, obtained medical attention immediately. Do not induce vomiting.

## Warning

IDROSIL XS contains flammable solvents. All the precautions must be foreseen for use of such kind of products. For further information or particular use, contact our Technical Department.

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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