

# MonniSil XS

Solvent Based Silane-Siloxane Penetrating  
Water Repellant Treatment

## Product Description

MonniSil XS is 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

MonniSil XS is used as a colorless surface protection for the following:

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

MonniSil XS can be used as a sealer and treatment for natural stones, marbles and absorbent tiles.

## 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

## Usage Instructions

### Surface Preparation

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

MonniSil 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, MonniSil 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 Monneli SOLVENT 10 immediately after use.

## Technical Data

Category	Typical Values
Appearance	Colorless Liquid
Density	0.80 Kg/L @ 25°C
Viscosity	9 cP
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 according to EEC 88/379	Harmful for inhalation and contact

All values are subject to 5-10% tolerance

## Consumption

6-8m<sup>2</sup> /liter depending on substrate conditions.

## Packaging

MonniSil XS is packed in 20 & 200 Liter Drums.

## Recommendations

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

MonniSil 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, obtain medical attention immediately.

Do not induce vomiting.

## Warnings

MonniSil 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.

## Legal disclaimer

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