

### MONNELI IDROSIL L

*Water Repellant Acrylic Sealer*

#### Product Description

An acrylic water based sealer used on exterior concrete surface. It dries to form a non-yellowing clear film that seals and protect concrete and masonry surfaces against stains, grease, oil, rust and water while enhancing the natural color of the applied surface.

#### Uses

IDROSIL L is used as a dustproof sealer and as clear coat for new and old concrete surfaces. It is used as sealer for the following:

- EIFS
- Colored and stamped concrete
- Exposed aggregate concrete
- Masonry bricks
- Slates
- Manufactured and natural stones

#### Advantages

- Vapor barrier and protective sealer
- Can be used as a primer coat for top decorative, architectural finishes
- Enhances the resistance to rain, sun, oil, grease, industrial chemicals, solvents, de-icing salts and most cleaning solvents
- Eco-friendly. No VOC
- UV Resistant
- Economical
- Easy to apply

#### 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.

##### 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 L is a single component, applied at full strength and never diluted.

Mix the material thoroughly before & during application. IDROSIL L should be applied with a brush, roller or low pressure non-atomizing spray uniformly onto the surface at a rate of 6-8m<sup>2</sup>/ liter.

For vertical surfaces, flood the surface by applying from the bottom up applied to saturation with a controlled (20cm) material rundown to ensure maximum penetration on the surface.

Extremely porous substrate may require two coats. Apply the second coat as soon as the surface of the first coat has been visibly dry which around 2-4 hours at ambient temperature. Cooler temperature or higher relative humidity may extend drying time.

Surfaces with salty efflorescence must be cleaned mechanically or washed with acid cleaner and subsequently rinsed with water. Wait for the surface to dry, before proceeding with the application of IDROSIL L.

All cement supports must be allowed to cure for at least 21 days before being impregnated with the product.

## Cleaning

Equipment and tools used should be cleaned promptly with water.

## Recommendations

- Water based coatings dry by evaporation of water from the film. It is necessary to protect the newly applied material during this time from the rain, freezing conditions, high temperature, high relative humidity and physical damage.
- Do not apply if rain, dew or water exposure is expected with 24 hours of application. Avoid application in direct sunlight and during high winds.
- Not recommended for dense surfaces such as tiles or granite.
- Do not apply in areas where negative hydrostatic pressure is possible.
- Apply in thin coats only.

## Technical Data

Properties	Results
Appearance	White emulsion which forms a clear film when drying
Density at 25°C	1.02 kg/L
Volume solids	Approx. 25%
Touch dry	20-30 minutes
Drying time at 25°C	4-8 hours
pH at 25°C	8.0 - 9.0
Film thickness	25-30 micron
Service temperature	from -5°C to +70°C
Resistance to water penetration	Very good

All values are subject to 5-10 % tolerance

## Applicable Standards

- ASTM C 309, Type 1, Classes A & B
- ASTM C 1315, Type 1, Class A
- ASTM D2697
- ASTM D 70

## Coverage

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

## Packaging

IDROSIL L is packed in 20 liters and 210 liters drums.

## Storage

Keep in original well closed drum, in dry and sheltered place, at the temperature between +5°C and +30°C. Shelf life is 12 months from date of manufacturing when stored properly.

## Health & Safety

Direct contact with the product may result in irritation of the skin and eyes. Product vapors may also cause irritation.

Wear gloves and masks during application. Remove any contaminated clothing and wash skin thoroughly with soap and water. Remove ignition sources prior to use.

In case of accidental eye contact, wash with plenty amount of water and seek immediate medical attention.

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