

MONNELI IDROSIL A

Water Repellant Penetrating Water Based Sealer

Product Description

A single component silicate solution designed to impart water repellency and reduce water absorption to a wide variety of surfaces.

Penetrates deeply into new or existing concrete or masonry for maximum protection against different substances, water penetration, chloride ion attack and freeze-thaw cycles.

The water based sealer is characterized by an excellent ability to penetrate all porous materials used in masonry surfaces. It doesn't create a film and therefore it allows the substrates to breathe.

Uses

IDROSIL A is used as a surface treatment designed to protect:

- Masonry surfaces
- Bricks
- Sandstone
- Ceramics
- Limestone

Advantages

- Excellent water repellent characteristics
- Reduces water absorption into the substrate, thus reducing spalling due to freeze-thaw and efflorescence, thereby increasing the life of the substrate.
- Long lasting protection
- Transparent and non-staining/non-yellowing
- Eco-friendly. Low Volatile Organic Content
- Breathable. Allows interior moisture to escape without damaging the sealer
- Non-flammable

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.

Application

IDROSIL A is a single component solution, applied. Mix the material thoroughly before & during application. IDROSIL A should be applied with a brush, roller or low pressure non-atomizing spray uniformly onto the surface at a rate of 4-5 m²/ liter.

For vertical surfaces, flood the surface by applying from the bottom up applied to saturation with a controlled 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 A.

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

Curing

After application of IDROSIL A, allow the treated surface to dry for at least 24 hours to develop maximum water repellency.

Cleaning

Equipment and tools used should be cleaned promptly with water.

Recommendations

- 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.
- Do not use onto the gypsum supports.
- Do not apply in areas where negative hydrostatic pressure is possible.

Technical Data

Properties	Results
Appearance	Transparent liquid
Density at 25°C	1.03 kg/L
VOC	< 4 g/L
Drying Time at 25°C	6 - 8 hours
pH at 25°C	8.0 - 9.0
Temperature of application	from +5°C to +35°C
Waiting time before top painting	Minimum 24 hours
Rapid chloride permeability	Very low
Harmfulness EEC 88/379	Harmful for contact

All values are subject to 5-10 % tolerance

Applicable Standards

- ASTM C 1202

Coverage

6-8m²/ liter depending on the porosity of the substrate

Packaging

IDROSIL A 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 +35°C. Shelf life is 6 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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IDROSIL A
Technical Data Sheet
Edition: January 2020
Revision: 02

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