

HYDROSAVE®

PRODUCT DESCRIPTION

HYDROSAVE® is a ecological, safe to use, deep penetrating superhydrophobic impregnation product. This unique penetration characteristic is due to it's Nano - scale molecules which ensures effective impregnation of concrete and masonry surfaces through deep penetration into the pore structure.

HYDROSAVE® is a colourless and solvent free impregnation product, which is formulated to provide in-depth protection mineral porous building materials against water, humidity, chlorides, corrosion and salt migration.

HYDROSAVE® is non film-forming therefore allowing the substrate to "breathe". It is also very effective on micro-cracks up to 0.3 mm, and stops alkali-silica or alkali-aggregate reactions in concrete and building materials.

HYDROSAVE® keeps the treated materials have stable low moisture content all seasons and the best heat-insulated properties

HYDROSAVE® is ideal to protect Civil and Industrial Engineering structures and other architectural concrete etc.

CHEMICAL/PHYSICAL PROPERTIES

Innovative Silane/Siloxane solution

Physical state at 20 °C	: Liquid
Colour	: Colourless
Odour	: Light Characteristic
pH	: 12-13
Boiling point [°C]	: NA
Density	: 1,03
Depth of penetration (Class II)	: >10%
Absorption ratio	: <7.5%
Absorption ratio (alkali)	: <10%
Drying rate (Class II)	: >10%

RECOMMENDED USES

HYDROSAVE® is recommended for application to most of the cementitious, masonry and mineral substrates above ground, not subject to hydrostatic pressure. Applications include treating the surfaces of:

- AAC blocks, pore beton etc
- Exposed brick structures
- Facade, Beams, columns and walls of buildings
- Natural stones, ceramics, roof tiles
- Marine structures

FEATURES & BENEFITS

- Highly penetrative- Ensures long-term effectiveness even on surfaces exposed to traffic (e.g: car parks).
- Invisible , Effective water repellency – Durability > 10 years
- Breathable - Allows excess water vapour to evaporate from the substrate
- UV-resistant, Safe, Non-flammable formulation.
- Non film-forming: does not affect the mineral appearance of surfaces.
- Lotus and Easy - to - clean effects
- Minimises surface efflorescence – Clean appearance of masonry surfaces
- Protection against chemical or biological agents that are water soluble (particularly chlorides).
- Highly resistant to alkaline substances.
- Complies with EN 1504-2 system 2+

INSTRUCTIONS FOR USE

- **Ready to use product** : Shake the container well before use.
- The surface must be dry, clean and free of any trace of oil, grease, cleaning product, dust, efflorescence, paint or any other substance liable to prevent the correct penetration.
- Can be applied either with a brush, roller or with a low-pressure sprayer.
- Apply 1 to 2 coats until saturation, wet-on-wet coat.
- Do not apply in rainy, frosty or extremely hot weather. Temperature between 5 °C and 35 °C are suitable.
- During cold season, surface must be ice free so that it does not prevent penetration product into pores
- Suitable for inside and outside application.

CONSUMPTION

Consumption depends on the porosity of the concrete or other substrate. The values below are given only as an indication:

Approximately 150 gr/m² per coat.

In windy conditions or with very porous substrates reduce the application rate and apply in two coats of approximately 90 ml/m².per coat allowing only wet-on-wet coats.

Consumption may increase while treating tall structures, caused by loss due to wind

PACKAGING

Ready to use : Canister 3 - 20 kg
HDPE drum 200 kg
IBC container 1000 kg

CLEANING EQUIPMENT

Clean tools and equipment immediately after use with clean water.

STORAGE

Store away from frost and heat in a dry, ventilate place with temperature range : 8°C - 30°C.
Provided the container is keep closed whilst not in use.
Storage life 12 months.

Notice : The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall **MIVIKO ISOTECH** be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **MIVIKO ISOTECH** has been advised of the possibility of such damages.

HEALTH & SAFETY

Respiratory protection: Wear adequate protection mask.

Hand protection : Wear rubber gloves.

Skin protection: No special clothing or skin protection is recommended under normal conditions of use.

Eye protection : If there is a risk of considerable splashing, wear protective goggles.

In the event of ingestion: do not induce vomiting. Contact a doctor or a specialist.

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