

SOLVENT-BASED SEALER SYSTEM **(IMPREGNATOR SEALER + SOLVENT-BASED PROTECTOR)** **(Imprégnateur + Protecteur Solvanté)**

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PRODUCT DESCRIPTION

- Solvent-based protector system includes two products of finish and protection for «decorative concrete» coatings.
- This system protects concrete coating from current, moderate and non-stagnant forces and aggressors: oil, agents, cleansers, alcohol, coffee... ideal for places with high humidity, such as bathrooms, showers or outdoor surfaces.

Both products are ready-to-use liquids:

1) **IMPREGNATOR SEALER** is white non-toxic water-based liquid.

It is used as an impregnator before varnish.

It hardens concrete surface and enforces the crystalline structure of the concrete forming mineral components of high firmness.

It increases waterproofing qualities of the surface by filling the pores between the grains.

It helps avoid traces of tools that appeared after former application of solvent-based products.

Applicable in 2 to 3 layers.

2) **SOLVENT-BASED PROTECTOR** is a colour-free solvent-based liquid ready to be used.

- Allows achieving aesthetic and uniform look (satin effect).

- If used after an impregnator sealer, slightly brightens up the colours (otherwise strongly).

- Increases resistance against the majority of stains and other everyday “threats”.

- Protects the concrete from “exterior threats” (pollution etc.).

- Limits vegetation proliferation.

- Facilitates maintenance and cleaning.

- Applicable in 2 to 3 layers.

APPLICATION AREAS/SURFACE

- Indoors/outdoors.

- Walls, floors, showers.

- **Not adapted for surfaces that are permanently under water: particular attention to slopes, especially those around water courses/drains.**

- Offices with moderate circulation and all types of living rooms.

- Bathrooms.

- Wash-basins – it is not our ideal finishing (bi-component solvent-based varnish is more adapted) but it is still appropriate. However, it has low resistance against essential oils and powerful cleaning products.

- Refer to our Sealers Review Table in order to choose a product most adapted to your project (available on our website or at our distributors’).

NECESSARY TOOLS

IMPREGNATOR SEALER: varnish brush, spalter.

SOLVENT-BASED PROTECTOR:

- Micro fibre roller 10 mm.

- Gloves and an adapted cartridge mask (see safety/precautions section below).

- How to clean the tool:

Impregnator sealer – with water immediately after use.

Solvent-based protector – with acetone or universal paint thinner immediately after use.

SURFACE PREPARATION

- The surface must be clean, dry and free of oil, grease or laitance traces.
- Water blasting and polishing are recommended in case you renovate an outdoor terrace.
In case you renovate an indoor surface, we recommend cleaning with a powerful washing powder with the help of a single-disc polisher or an abrasive sponge.
- On newly applied decorative concrete coatings profound vacuum cleaning is necessary.
- The surface temperature must be at 20°C. If the impregnator sealer is applied on decorative concrete coatings, the surface must be at least 5 days old.
- Moisture of the concrete coating must be inferior to 5% according to D.T.U. 59.1 (the French Building Code regulations) «Mural Painting Work».

MIX PREPARATION

- **IMPREGNATOR SEALER:** ready to use. Do not dilute.
- **SOLVENT-BASED PROTECTOR:** ready to use. Do not dilute.

APPLICATION

Step 1: IMPREGNATOR SEALER

- Room, surface and product temperature for product application must be between 12 et 30°C.
- The product is applied with a varnish brush (spalter) in a uniform way.
- Applied minimum in 2 layers (depending on porosity and surface of the concrete coating).
- Drying time: away from dust for 30 min at 20°C.
- Do not overcharge the surface with the impregnator sealer (risk of whitish traces), but apply in several levels until the product cannot penetrate any more. Do not leave any 'puddles'.
- Application of the 2nd layer: after 1 to 4 hours depending on the temperature.
- Leave to dry for 48 hours minimum at 20°C before application of solvent-based protector.

Step 2: SOLVENT-BASED PROTECTOR

- Surface and product temperature for product application must be between 8 and 30°C.
- Homogenise the product before use and apply in two uniform layers with a brush or a roller.
- Do not apply excessively for aesthetic reasons and to preserve the solidity, otherwise it might flake off.
- Drying time: away from dust for 30 min at 20°C.
- When applied outdoors, protect the surface from the rain for at least 1 hour after application (at 20°C).
- Waiting time before the layers: 8h at 10°C - 5h at 20° - 2h at 30°C.

FINAL DRYING

- The surface will be in service after drying for 24 hours at 20°C.
- Maximum hardness of concrete coating is achieved 28 days after the protections harden.
- Regular maintenance is necessary. Its frequency is varied depending on a selected sealer and the way the area is used. In order to preserve the sealer, we advise to:
 - ✓ Place the felt pads under the legs of the furniture, chairs etc.
 - ✓ Not to leave any coloured water spots or grease stains... Wipe them out as soon as possible.
 - ✓ To clean surfaces with a shampoo Mercadier.

ROUTINE MAINTENANCE / RENOVATION

- In order to preserve the product and its sealer (varnish, wax etc...) we advise to place the felt pads under the legs of the furniture, chairs etc., even if they are made from plastic.
- Do not leave any coloured water spots or grease stains for a long time. Wipe them out as soon as possible. To clean the surface use common non-aggressive cleaning products or our cleaning shampoo.
- It is forbidden to use any ammonia-based or any concentrated anti-scaling agents.
- It is important to maintain the surface applying regularly a layer of the last sealer (to insure a good grip of the sealer it is necessary to clean and polish the surface).



- The frequency of this operation depends on the use of the surface (make a test with a water drop: if it is absorbed, a new layer of the sealer must be applied).

CONSUMPTION & PACKAGING & STORAGE

IMPREGNATOR SEALER:

- Consumption: 70 ml and 90 ml/m² per layer.
- Format: cans:
 - 500 ml (up to 4.2 m² for 2 layers)
 - 1 l (up to 7.1 m² for 2 layers)
 - 2 l (up to 14.3 m² for 2 layers).
 - 5 l (up to 35.8 m² for 2 layers).

SOLVENT-BASED PROTECTOR:

- Consumption: ≈ 80g per m² for the 1st layer, then ≈ 30g per m² for 2nd layer.
Or 120g per m² for 2 layers.
- Format: cans:
 - 500 ml (up to 4.2 m² for 2 layers)
 - 1 l (up to 8.3 m² for 2 layers)
 - 2 l (up to 16.7 m² for 2 layers)
 - 5 l (up to 41.7 m² for 2 layers).
- The cans can be kept for one year in its original unopened packaging in a place protected from the frost or heat.

RELATED PRODUCTS

- Layered Decorative Concrete (EBC) – Trowelled Concret (TC) – PURE Mineral Béton (PMB).
- Concrete Look Seamless Floors: self-leveling (Indux-RBX) and self-smoothing (Solix-SC+).
- Cleaning shampoo.
- **Is not compatible with any other product MERCADIER.**

RECOMMENDATION AND WARNING

- See the most recent version of this technical specification (see website). Our distributors are at your disposal for any clarification.
- Performance and durability guarantees for the decorative coating may be given only in case a complete system of MERCADIER products is used (primer, product itself, sealer) and strictly according to instructions for application and maintenance of the system. Thus, the manufacturer will not be liable for poor product's performance if an application did not conform to our instructions and if the integral system was not used.
- All the information, tips and advice relative to final illustration of MERCADIER products are given in good faith. They are based on knowledge and experience that MERCADIER has acquired so far regarding its products that were appropriately stored and handled, and applied in normal conditions. In practice, the differences between materials, surfaces and specific application conditions are such that provided information, written recommendations or given advice do not imply any warranty of merchantability other than the legal warranty against hidden defects.
- Colours and aspects in our colour charts are indicative, and cannot be considered as contractual. The same is applied for boards and panels displayed at retail outlets. It is preferable to use identical samples as much as possible. These products lead to results with subtle differences that can also arise depending on application conditions (applicator's gestures, temperature etc).

SAFETY / PRECAUTIONS

Danger Information:

- H226 Flammable liquid and vapour.
- H318 Causes serious eye damage
- H335 May cause respiratory irritation.

- H336 May cause drowsiness or dizziness
 H411 Toxic to aquatic life with long lasting effects.
 EUH066 Repeated exposure may cause skin dryness or cracking

Precautionary statements - Prevention:

- P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statements - Intervention:

- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 Immediately call a POISON CENTER or doctor/physician.
 P370 + P378 In case of fire: Use dry sand, chemical powder or anti alcohol foam

<i>Product</i>	<i>Class/Category</i>	<i>EU limit value for the VOC</i>	<i>Limit value for the VOC in the product</i>
<i>Impregnator sealer</i>	<i>A/h Binding primer (water-based)</i>	<i>30 g/l</i>	<i>0 g/l</i>
<i>Solvent-based protector</i>	<i>A/f: Interior and exterior minimal build woodstains (solvent-based)</i>	<i>700 g/l</i>	<i>669 g/l</i>



In accordance with the new French regulations that establish limit value for the VOC (Volatile Organic Compound) present in constructions materials, this product MERCADIER respects the environment. This regulation states that construction and decoration products must be provided with a label indicating the level of volatile organic compound emission in a simple and readable way. Thus they are indicated depending on their class from A+ (no or low emissions) to C (strong emissions).