

TECHNICAL DATA SHEET (TDS)

UNIC IMPRIGNATOR Water Repellency Treatment

STONE ADHESIVES | SEALERS | CLEANERS
POLISH | PROTECTION COMPLETE RANGE
FOR STONE INSTALLATION & CARE

1. PRODUCT DESCRIPTION

UNIC IMPRIGNATOR is a ready-to-use, solvent-based water-repellent impregnation system based on silane and siloxane technology. It is designed to provide long-lasting water repellency to absorbent mineral and alkaline substrates while maintaining the natural breathability of the treated surface.

2. SPECIAL FEATURES

UNIC IMPRIGNATOR reacts with moisture present in the substrate to form active water-repellent compounds within the pore structure. These compounds significantly reduce water absorption without blocking the pores. The treated surface therefore remains vapor permeable, allowing trapped moisture to escape and helping prevent moisture-related deterioration.

3. ADVANTAGES

- Excellent penetration into porous substrates
- Rapid development of water repellency
- Maintains substrate breathability
- Does not trap moisture or water vapor
- Good resistance to alkaline conditions
- Tack-free and fast-drying
- Can be applied on certain slightly damp substrates
- Helps protect surfaces from water penetration

4. APPLICATION AREAS

UNIC IMPRIGNATOR is suitable for absorbent and porous mineral substrates, including:

- Brickwork and masonry
- Concrete and precast concrete
- Aerated concrete
- Sand-lime bricks
- Cement-fiber boards
- Mineral plasters and renders
- Mineral-based natural and artificial stones
- Mineral paints
- Exterior surfaces as a primer treatment before compatible exterior paints

Not suitable for gypsum-based substrates.

5. COVERAGE

Coverage depends significantly on the porosity, texture and absorption of the substrate. A small test area should always be carried out to determine actual consumption and suitability.

Typical coverage on concrete and outdoor mineral substrates is approximately 30–60 sq. ft. per litre.

6. SURFACE PREPARATION

UNIC IMPRIGNATOR can be applied directly to properly cured new mineral substrates. Older or weathered surfaces should be thoroughly cleaned before treatment to remove dirt, biological growth, moss, algae and other contaminants and to expose the surface pores. Protect adjacent surfaces that are not intended for treatment. As UNIC IMPRIGNATOR is solvent-based and fast-acting, accidental splashes may cause visible spots. Remove accidental contamination immediately using a suitable solvent.

7. APPLICATION

UNIC IMPRIGNATOR may slightly enhance or alter the appearance of certain surfaces. Always perform a preliminary patch test before full application.

Apply the product using a saturated brush, roller or mop, ensuring the surface is thoroughly wetted. Its low-viscosity formulation enables effective spreading on both vertical and horizontal surfaces.

Apply 2–3 coats using the wet-on-wet method, or until the substrate reaches saturation.

- Allow each coat to penetrate before applying the next.
- Apply the subsequent coat once the previous coat has been absorbed and the surface is no longer visibly glossy.
- Avoid leaving wet or damp patches on the treated surface.
- Maintain adequate ventilation throughout application.
- Protect the treated area from rain and moisture during curing.
- Minimum curing time is approximately 48–72 hours, depending on temperature, humidity and site conditions.

Manufactured For & Marketed By:

UNICSTONE

Shop No.3, Ground Floor, Ashrama Road,
R T Nagar Post, Cholanagar, Situated at 1st Cross,
Bengaluru, Bengaluru Urban, Karnataka

E.: info.unicstone@gmail.com

M.: +91 78920 99925

ISO CERTIFIED COMPANY



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8. TECHNICAL INFORMATION

Property	Specification
Appearance	: Colourless to slightly hazy liquid
Odour	: Mild, characteristic
Density	: $0.9 \pm 0.1 \text{ g/cm}^3$
Flash Point	: Approx. 45°C

9. STORAGE & SHELF LIFE

UNIC IMPRIGNATOR has a shelf life of approximately 12 months when stored in the original, tightly sealed container in a cool and dry place. Protect from excessive heat, direct sunlight and ignition sources.

10. CAUTION

- Wear suitable personal protective equipment during handling and application.
- Ensure adequate ventilation, particularly in enclosed areas.
- Keep away from heat, sparks and open flames.
- Do not apply during heavy rain or when rain is expected immediately after application.
- UNIC IMPRIGNATOR does not provide protection against strong acids.
- Always conduct a compatibility and appearance test before large-scale application. om excessive heat, direct sunlight and ignition sources.

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