

TECHNICAL DATA SHEET (TDS)

WS70 BARRIER COAT Surface Enhancer & Protective Sealer

1. PRODUCT DESCRIPTION

WS70 Barrier Coat is a ready-to-use, solvent-based impregnating sealer specially formulated with modified silane technology for natural and mineral-based stones. It penetrates deeply into the stone structure to enhance the natural colour and create a rich wet-look appearance while providing effective resistance against water, oil and common stains.

The formulation maintains the breathability of the stone, allowing moisture vapour to escape without sealing the pores.

2. ADVANTAGES

- Enhances the natural colour of stone
- Creates a rich wet-look finish
- Excellent penetration
- Provides water and oil repellency
- Helps resist stains and surface contamination
- Durable protective performance
- Maintains stone breathability
- Suitable for indoor and outdoor applications
- Easy and convenient to apply
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3. APPLICATION AREAS

WS70 Barrier Coat is recommended for suitable absorbent, dark-coloured and mineral-based stones, including:

- Granite
- Silicate-based stones
- Lime-based stones
- Dark-coloured natural stones
- Other suitable porous mineral surfaces

Suitable for indoor and outdoor applications.

4. COVERAGE

Typical coverage is approximately 10–25 m² per litre, depending on the porosity, texture, absorption and condition of the substrate. A preliminary test application is recommended to establish actual consumption.

5. STORAGE & SHELF LIFE

WS70 Barrier Coat has a shelf life of approximately 12 months when stored in the original, tightly closed container in a cool and dry place.

Protect the product from excessive heat, direct sunlight and sources of ignition.

6. APPLICATION INFORMATION

SURFACE PREPARATION

- The substrate must be clean, dry and free from dust, dirt, grease, oil, loose particles and other contaminants.
- Existing wax, epoxy, polish or other surface coatings must be completely removed before application to ensure proper penetration.
- Wash the surface thoroughly to remove soluble salts such as nitrates, sulphates and chlorides. Salt deposits can reduce surface absorption and may result in uneven or incomplete impregnation.
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- Allow the substrate to dry completely before application.

APPLICATION

A preliminary patch test is strongly recommended to assess colour enhancement, wet-look effect and overall compatibility with the stone.

Apply WS70 Barrier Coat generously using a saturated brush, roller or mop. Thoroughly wet the entire surface and allow the product to remain on the substrate for approximately 60 minutes, ensuring adequate penetration.

After the penetration period, remove any remaining or excess product from the surface using a clean sponge or suitable absorbent material.

- Do not allow excess product to dry on the surface.
- Maintain uniform application across the entire area.
- Ensure adequate ventilation throughout application.
- Protect the treated surface from water and contamination during curing.
- Allow approximately 48–72 hours for complete curing, depending on temperature, humidity and site conditions.

Manufactured For & Marketed By:

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ISO CERTIFIED COMPANY



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

7. TECHNICAL INFORMATION

Property	Specification
Appearance	: Mostly clear liquid
Odour	: Mild
Density	: $0.9 \pm 0.1 \text{ g/cm}^3$
pH	: Approx. 7.0

8. CAUTION

- Use appropriate personal protective equipment during handling and application.
- Ensure adequate ventilation during application and curing.
- Keep away from heat, sparks and open flames.
- WS70 Barrier Coat does not protect stone against strong acids.
- Extremely worn, damaged or heavily deteriorated surfaces should be properly restored or resurfaced before application.
- Always perform a small-area test before full-scale application to verify appearance and performance.

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