

ESPLENDIDO HYDROVEIL™

ADVANCED WATER REPELLENT
INVISIBLE PROTECTION SYSTEM

— TECHNICAL DATA SHEET (TDS) —



ADVANCED
WATER REPELLENCY



REDUCES WATER
ABSORPTION



BREATHABLE
VAPOUR PERMEABLE



UV & WEATHER
RESISTANT



INVISIBLE
PROTECTION



LOW VOC
ECO FRIENDLY



1 PRODUCT DESCRIPTION

HydroVeil™ is a premium water-based penetrating water-repellent protection system specially developed for natural stone, masonry and mineral building materials. It is designed to significantly reduce water absorption while preserving the natural appearance, breathability and aesthetic character of the treated surface.

HydroVeil™ provides advanced protection against rainwater penetration and environmental moisture by forming a durable water-repellent zone within the pore structure of the substrate. The treatment helps reduce moisture ingress, thereby contributing to improved durability and long-term protection of exposed mineral surfaces.

Unlike conventional film-forming coatings, HydroVeil™ penetrates beneath the surface without creating a visible layer. The treated substrate remains breathable, allowing water vapour diffusion while reducing liquid water absorption. This helps maintain the natural appearance and integrity of the treated surface.

By reducing water ingress, HydroVeil™ helps minimise moisture-related problems such as dampness formation, efflorescence development and weather-induced deterioration of stone, masonry and cementitious surfaces.

HydroVeil™ is supplied as a concentrate and can be diluted with water prior to application, making it a practical and economical solution for large-area stone, façade and building protection projects.

Suitable for both interior and exterior applications, HydroVeil™ delivers invisible, breathable and durable water-repellent protection for natural stone and mineral substrates exposed to weather and environmental conditions.

2 KEY PERFORMANCE FEATURES



Advanced Water Repellency



Weather Resistant



Significant Reduction in Water
Absorption



No Visible Change in Appearance



Helps Reduce Dampness Formation



Suitable for Natural Stone &
Mineral Surfaces



Helps Reduce Efflorescence
Development



Interior & Exterior Application



Breathable – Vapour Permeable



Low VOC Formulation



Non-Film Forming Protection



Economical Concentrate System



Water-Based Technology



Easy Application



UV Resistant



Professional Grade Performance

3 RECOMMENDED SUBSTRATES & APPLICATION AREA

- Marble
 - Granite
 - Sandstone
 - Limestone
 - Travertine
 - Slate
 - Natural Stone
 - Stone Cladding
- Brickwork
 - Clay Tiles
 - Cement Plaster
 - Concrete
 - Exposed Concrete
 - Masonry Surfaces
 - Mineral Façades
 - Cement-Based Building Materials

APPLICATION AREAS



Natural Stone Installations



Stone Cladding Systems



Architectural Façades



Residential Buildings



Commercial Buildings



Hospitality Projects



Institutional Buildings



Exterior Walls



Boundary Walls



Heritage Structures



Masonry Structures



Interior & Exterior
Mineral Surfaces

4 TECHNICAL CHARACTERISTICS

Crack Type	Recommended Treatment
Appearance	Milky liquid emulsion
Density @ 25°C	Approx. 0.93 – 0.97 g/cm³
Dynamic Viscosity @ 25°C	Approx. 10 – 15 mPa·s
pH (Diluted Solution)	Approx. 6 – 8
VOC Content	Low
Active Content	High
Carrier	Water
Solvent Content	Solvent-Free
Dilution Ratio	1 : 7 to 1 : 11 with clean water
Curing Mechanism	Moisture reactive (ambient)

TDS

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5

PERFORMANCE DATA TEST

Property	Results	Test Method
Water Absorption Reduction	Excellent reduction	ASTM C642
Water Repellency	Excellent	ASTM D7334
Resistance to Water Penetration	Excellent improvement	ASTM E514
Breathability	Vapour permeable	ASTM E96
Surface Appearance	No visible change	Visual
UV Resistance	Excellent	Accelerated UV Exposure Evaluation
Weather Resistance	Excellent	Accelerated Weathering Evaluation
Slip Resistance	Slip neutral	ASTM D2047

6

COVERAGE



Dense Stone Cladding

- Marble
- Granite

Approx. 12 – 18 m² per litre



Medium absorbency surfaces

- Limestone
- Concrete
- Travertine
- Cement Plaster

Approx. 8 – 14 m² per litre



Medium Porosity Surfaces

- Sandstone
- Clay Tiles
- Brickwork
- Masonry Surfaces

Approx. 5 – 10 m² per litre

- Coverage depends on substrate porosity, surface finish, dilution ratio and application method.
- Coverage values are based on diluted ready-to-use solution.
- Actual consumption may vary depending on substrate condition and site conditions. Site trials are recommended to determine exact coverage requirements.

7

APPLICATION METHOD



Surface Preparation
Surface must be clean, dry and free from dust, dirt, grease, oil, wax, curing compounds, previous coatings, sealers and any contaminants that may affect penetration and performance.

Loose particles, deteriorated material and surface defects should be removed before treatment. Any cracks, damaged joints or defective areas should be repaired prior to application.



Mixing & Dilution
HydroVeil™ is supplied as a concentrate and must be diluted before application.

Recommended Dilution Ratio:

1 part HydroVeil™ to 7–11 parts clean water

The optimum dilution ratio should be selected according to substrate absorbency, surface condition and project requirements.

Mix thoroughly before and during use.



Application
Apply evenly using a brush, roller, cloth, sponge or low-pressure spray ensuring complete and uniform wetting of the surface.

Allow the material to penetrate into the substrate.

Avoid excessive application and remove any excess material before drying to prevent surface residue, streaking or uneven appearance.



Second Coat
For highly absorbent substrates, a second coat may be applied after initial absorption of the first coat to achieve optimum performance.

8

APPLICATION CONDITIONS



Temperature
+5°C to +35°C



Do not apply on wet, frozen or water-saturated surfaces.



Apply only on clean and dry substrates.



Avoid application during strong winds, excessive humidity or extreme surface temperatures.



Do not apply during rainfall or when rainfall is expected before adequate curing.



Do not apply during rainfall or when rainfall is expected before adequate curing.

- For optimum performance, ensure that both ambient and substrate conditions remain within the recommended application range throughout application and initial curing.
- Protect freshly treated surfaces from water exposure during the initial curing period.

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9 PRE-APPLICATION TEST



- A test application on a small inconspicuous area is recommended to confirm compatibility, appearance and performance before full-scale application.
- The test area should be evaluated after curing to verify water-repellent performance, substrate compatibility and overall appearance.
- Particular attention should be given to natural stone surfaces where substrate characteristics, porosity and surface finish may vary.
- Site trials are recommended to determine optimum dilution ratio, application method and expected coverage under actual project conditions.

10 POST-APPLICATION CARE



- ✓ Protect freshly treated surfaces from rainfall, water exposure and contamination during the initial curing period.
- ✓ Allow adequate curing before exposing treated surfaces to severe weather conditions or cleaning procedures.
- ✓ Routine maintenance should be carried out using appropriate cleaning methods compatible with natural stone and mineral substrates.
- ✓ Periodic inspection is recommended for surfaces exposed to severe environmental conditions to ensure continued performance.
- ✓ For best long-term results, reapplication may be considered when water-repellent performance decreases due to age, weathering or surface abrasion.

11 DO NOT APPLY ON

- ✗ Previously sealed or coated surfaces (unless compatibility is confirmed)
- ✗ Glass surfaces
- ✗ Metal surfaces
- ✗ Plastic surfaces
- ✗ Painted or coated surfaces
- ✗ Non-mineral substrates
- ✗ Wet or saturated substrates
- ✗ Surfaces with standing moisture
- ✗ Surfaces affected by active water leakage

HydroVeil™ is designed for absorbent mineral substrates and may not perform effectively on non-absorbent surfaces.

12 LIMITATIONS



- Performance may vary depending on substrate type, porosity, surface condition and application method.
- Reapplication may be required depending on weather exposure, service conditions and substrate characteristics.
- Performance may be reduced under severe weathering conditions, heavy abrasion or surface deterioration.
- Effectiveness depends on proper substrate preparation, dilution ratio and application quality.
- Site trials are recommended before full-scale application to confirm suitability and expected performance.
- HydroVeil™ is intended as a water-repellent treatment for absorbent mineral substrates and should be used in accordance with recommended application procedures.

13 LIMITATIONS

- Avoid contact with eyes and prolonged skin contact.
- Wear suitable protective gloves and eye protection.
- Ensure adequate ventilation during use.
- Avoid inhalation of spray mist.
- Do not ingest.
- Keep away from food and drinking water.
- Keep out of reach of children.

First Aid



Eye-Contact
Rinse thoroughly with clean water.



Skin Contact
Wash thoroughly with soap and water.

✚ Seek medical advice if irritation persists.

14 STORAGE & SHELF LIFE



Shelf life: 24 months



Store in original, tightly closed containers.



Protect from frost, moisture and direct sunlight.



Recommended storage temperature: 5°C to 35°C

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15 DISCLAIMER



The information provided in this Technical Data Sheet is based on current knowledge, laboratory testing and practical experience. All values are typical and may vary depending on substrate condition, application method and site conditions.

Users are advised to carry out a trial application to confirm suitability, appearance and performance prior to full-scale use.

This product is offered with a performance warranty under defined conditions. For detailed warranty terms, coverage and duration, please contact the manufacturer.

Since application conditions, substrates and environmental factors are beyond our control, no guarantee is provided for performance under all circumstances.

The manufacturer reserves the right to modify product specifications without prior notice.

16 FINAL STATEMENT

HydroVeil™ delivers invisible, breathable protection with advanced water repellency for natural stone, marble, granite, sandstone, masonry and mineral surfaces while preserving their natural appearance.

The water-based, non-film forming formulation helps reduce water absorption, rainwater ingress, dampness and weather-related deterioration, contributing to improved durability and long-term surface protection.

Designed for interior and exterior applications, HydroVeil™ provides professional-grade performance for stone, façade and building protection projects.

OUR COMMITMENT

