

ESPLENDIDO HYDROSTAIN VEIL™

ADVANCED WATER & STAIN REPELLENT INVISIBLE PROTECTION SYSTEM

TECHNICAL DATA SHEET



				
ADVANCED WATER REPELLENCY	OIL & GREASE RESISTANCE	MULTI STAIN PROTECTION	BREATHABLE VAPOUR PREEABLE	INVISIBLE PROTECTION

1 PRODUCT DESCRIPTION

HydroStain Veil™ is a premium penetrating protection system designed to provide advanced water repellency combined with powerful resistance against oil, grease, and everyday staining agents – without altering the natural appearance of the surface.

It forms an invisible protective barrier within the substrate, delivering long-lasting protection while preserving breathability and aesthetic integrity.

HydroStain Veil™ is a high-performance, water-dilutable penetrating protection system engineered to provide comprehensive defense against both water-based and oil-based contaminants.

HydroStain Veil™ delivers dual-action protection – significantly reducing water absorption while also minimizing penetration of oil, grease, food stains, and environmental pollutants.

The formulation penetrates into the pore structure of mineral substrates – including dense and low-absorbent stones – forming an invisible protective network beneath the surface. Unlike film-forming coatings, it does not create a visible layer and does not alter the natural appearance, gloss, or texture of the treated surface.

The treated surface remains breathable, allowing vapor diffusion while preventing liquid ingress.

Provides easy-to-clean surface performance by reducing adhesion of contaminants and facilitating easier maintenance.

Suitable for residential, commercial, hospitality, and architectural applications.

2 KEY PERFORMANCE FEATURES


- | | |
|--|---|
|  Advanced Water Repellency |  Weather & UV Durable |
|  Oil & Grease Resistance |  Non-Film Forming Penetrating System |
|  Multi-Stain Protection Technology |  Slip-Neutral Performance |
|  No Change in Color, Gloss or Texture |  Effective on Dense & Low-Absorbent Surfaces |
|  Breathable – Vapor Permeable | |

3 RECOMMENDED SUBSTRATES & APPLICATION AREA

SUITABLE FOR

- | | |
|--|--|
| <ul style="list-style-type: none"> Granite Polished Granite Marble Polished Marble Limestone Sandstone Travertine Quartzite Slate | <ul style="list-style-type: none"> Concrete Exposed Concrete Brickwork Terrazzo Unglazed Ceramic Tiles Cement Plaster Mineral Façades Natural & Engineered Stone Dense & Low-Absorbent Mineral Surfaces |
|--|--|

APPLICATION AREAS

- | | | |
|--|---|---|
|  Residential Buildings |  Hospitality Projects |  Interior & Exterior Environments |
|  Commercial Space |  Institutional Buildings |  Architectural & Façade Applications |

4 TECHNICAL CHARACTERISTICS

Appearance	Yellowish, slightly cloudy liquid
Density	@25°C: ~1.03 – 1.06 g/cm³
Viscosity	@ 25°C: 1.5 – 2.5 mPa·s
pH (diluted solution)	~4
VOC Content	Low
Flash Point	> 95°C
Dilution Ratio	1 : 3 with clean water
Curing Mechanism	Moisture reactive (ambient)

5 PERFORMANCE DATA TEST

PROPERTY	RESULTS	TEST METHOD
Water Absorption Reduction	Excellent reduction	(ASTM C642)
Water Repellency	Excellent	(ASTM D7334)
Surface Hydrophobicity	Water beading effect observed	(ASTM D7334/ Visual)
Stain Resistance	No visible staining	(ASTM D1308)
Oil & Grease Resistance	Excellent resistance	(AATCC 118)
Breathability	Vapour permeable	(ASTM E96)
Surface Appearance	No visible change	(Visual)
Slip Resistance	Slip neutral	(ASTM D2047)

6 COVERAGE

Coverage depends on surface porosity and finish.


Dense & Polished Surfaces
approx. 12 – 16 m² per litre


Medium Porosity Surfaces
approx. 10 – 14 m² per litre


Highly Porous Surfaces
approx. 7 – 10 m² per litre

Actual consumption depends on substrate condition. Site trials are recommended.


LOW VOC ECO FRIENDLY


SINGLE APPLICATION SOLUTION


INTERIOR & EXTERIOR USE


PROFESSIONAL GRADE PERFORMANCE

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7 APPLICATION METHOD



Surface Preparation:

Surface must be clean, dry and free from dust, grease, oil, wax, curing compounds, previous coatings or sealers.



Mixing & Dilution:

HydroStain Veil™ is supplied as a concentrate and must be diluted before application. Dilution Ratio: 1 part HydroStain Veil™ to 3 parts clean water. Mix thoroughly before and during use.



Application:

Apply evenly using a brush, roller, cloth, sponge or low-pressure spray ensuring uniform wetting of the surface. Allow the material to penetrate into the substrate. Remove excess material before drying to prevent surface residue or streaking.



Second Coat:

For porous substrates, a second coat may be applied after initial absorption.

8 APPLICATION CONDITIONS



Temperature:
+5°C to +35°C



Do not apply during rainfall or on wet surfaces



Apply only on dry substrates



Avoid application on frozen substrates

9 PRE-APPLICATION TEST



A test application on a small inconspicuous area is recommended to confirm compatibility, appearance and performance before full-scale application.

10 POST-APPLICATION CARE



Clean spills promptly for best performance.

11 DO NOT APPLY ON



- Previously sealed or coated surfaces (unless compatibility is confirmed)
- Non-mineral substrates
- Surfaces with standing moisture
- Glass or metal surfaces
- Painted or coated surfaces

12 SLIP NOTE



Slip resistance remains largely unaffected when applied as directed.

12 LIMITATIONS



- Product improves stain resistance but does not make surfaces permanently stain-proof
- Prompt cleaning of spills is recommended
- Reapplication may be required depending on usage and exposure
- Performance may be reduced under heavy abrasion or aggressive cleaning conditions

13 SAFETY INFORMATION



- 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 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

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.



Final Statement

HydroStain Veil™ delivers invisible, breathable protection with advanced resistance against water, oil and stains while preserving the natural appearance of mineral surfaces.

OUR COMMITMENT



LOW VOC
ECO FRIENDLY



PREMIUM
QUALITY



PROFESSIONAL
GRADE



R&D DRIVEN
SOLUTION

CONNECT WITH US



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