

QUANTUM



QUANTUM gives protection for the professional applicator sealing porous stone, pavers and tiles. Specifically designed for the high performance demand market, QUANTUM premium stone sealer helps protect against oil based staining, food products and moisture uptake.

FEATURES

- Penetrating breathable sealer
- High repellence against oil, food products & water
- Natural finish sealer
- Over 90% reduction in water uptake, reducing moss & mould growth
- Excellent salt resistance
- Reduces salt efflorescence and freeze thaw

TECHNICAL INFORMATION

Classification Copolymer/Silane Blend
Active content < 10%
Specific Gravity 0.91 @ 25° C
Solvent Hydrocarbon
Storage 0° - 38° Celsius
Resistance to UV Good
Penetration Rate 3 - 5 mm avg.

Physical State Solvent
VOC > 90% v/v
Colour Colourless
Shipping Class 3 UN 1263
Flash Point Approx. 25°C
Surface Gloss None
Water & Oil Repellent Excellent

SUITABLE FOR:

High Traffic areas Commercial & Domestic - Polished concrete, Sandstone, Granite, Limestone, Travertine, Terracotta and other masonry surfaces.

PREPARATION:

ALWAYS TEST *QUANTUM* on a small inconspicuous area to determine the desired appearance and allow a minimum 24 hours curing time on test sample to determine suitability of your surface type.

New concrete should allow 28 days before application .

Clean and prepare surface with the appropriate cleaning agents for your surface type. Make sure all cleaning agents have been thoroughly rinsed off and neutralized before applying. Surface should be clean, dry and free of any coatings or waxes. If surface has been water wet, allow area to dry thoroughly before sealing for BEST results.

Do not allow sealer to come in to contact with painted surfaces, plastic or vinyl etc.

APPLICATION:

Use a lambswool applicator, Quality Airless Sprayer or dry white absorbent cloth. Tape up and prepare area to be sealed. Confirm test area & product is suitable. Apply when surface temp is approx. 5° - 35°C

Allow good ventilation and adequate air flow. Use proper PPE as per details on Safety Data Sheet.

In spray applications, use a coarse spray device such as a trigger sprayer or low pressure (20 psi) dispenser with particle size production of greater than 15 microns. Adjust spray pressure to keep particle size greater than 15 microns. Do not aerosolize or atomize. N.B Best to use nylon seals as the sealer will eat away standard rubber seals.

Apply sealer slowly with a cross direction for complete coverage. E.g First coat Nth—Sth second coat East—West. NOTE: When using a lambswool applicator, avoid excessive working of sealer as this will cause foaming.

Avoid puddling the sealer. Allow 30 mins - 45 mins between coats.

After applying *QUANTUM* it is normal on some surfaces for residue to be left behind. If this is the case, remove any surface excess with a dry white absorbent cloth. This should be done after the sealer has dried but before it has fully cured, usually between 30 – 45 minutes after the sealer has been applied.

Any stubborn residues can be removed within 4 hours with a white cotton cloth lightly moistened in *QUANTUM* or *EVERSOL*, rubbing until dry.

DRYING:

Keep surface dry and free from traffic for at least 2 hours after application. No foot traffic until 6 hours. A full cure will be from 48 - 72 hours.

COVERAGE:

QUANTUM will cover approx. 5– 10 sqm per litre, depending on porosity of surface you are sealing. For porous surface: pre-sealing can reduce the amount of product required.

Dense surfaces will cover approx. 12– 20 sqm per litre.

CLEAN UP:

Clean up is easily done mineral turps, *EVERSOL* or a xylene based solvent. Rinse off equipment thoroughly.

MAINTENANCE:

Clean up any spills immediately with *REPLENISH* to reduce staining of the surface. Deep cleaning can be done with *NATURAL CLEAN* - diluted as per label instructions.

Regular cleaning with *REPLENISH*—concentrate will assist in maintaining your sealer life. Refer to your 'How to clean sheet' Available on line: www.solutionssealers.com

For further details on commercial cleaning procedures refer to maintenance manual for *QUANTUM* - Check for the latest revision.

Do NOT use harsh chemicals or solvents for cleaning on your sealed surface.

LIFETIME:

Applied and maintained correctly, *QUANTUM* will remain effective up to 15 years depending on environment & conditions.

15 Year Product Warranty available when applied by an approved applicator. Contact: info@solutionssealers.com for details.

SHELF LIFE:

2 years in unopened container - test contents after this time.

PACKAGING:

1 LT, 4 LT, 10 LT, 20LT, 200LT



PRECAUTIONS/LIMITATIONS:

- TEST SUITABILITY on your surface type
- Do NOT dilute or alter formula
- Temperature of surface must not be below 5°C or above 35°C
- Do NOT apply if rain is expected within 12 hours
- Stain resistance will develop after 48 hours to 72 hours from initial application
- Allow 2 hours before foot traffic. Touch dry within an hour
- Caution should be taken when spraying around windows, metal & painted surfaces
- Will NOT resist against hydrostatic pressure or rising damp
- Will NOT seal up cracks greater than .025mm
- Uneven application may result in inconsistent performance & finish
- Do NOT allow to puddle without wiping up excess after 30 - 45 minutes
- Remove contaminates as soon as spills occur using REPLENISH
- Contaminates left on surface for long periods will start to penetrate sealed surface
- Impregnating sealers are considered stain resistant NOT stain proof
- Do NOT use harsh chemicals and/or solvents to clean surface
- Follow cleaning instructions as per maintenance manual or 'Cleaning on Sealed Surfaces'

PRODUCT WARRANTY:

Contact SOLUTIONS - Sealers for Stone & Tile for warranty details. Warranty for this product is available for 15 years and requires the use of an approved applicator with maintenance requirements.

This product is warranted to be free of defects in material and workmanship. This product is manufactured in accordance with SOLUTIONS - Sealers for Stone & Tiles quality control standards. All technical data, manuals, statements and suggestions are based on in-house & scientific field testing. All information obtained herein is believed to be true & correct but accuracy and completeness of said tests are not guaranteed and or not to be construed as a warranty or guarantee of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend on many factors that are beyond SOLUTIONS - Sealers for Stone & Tiles control.

SAFETY INFORMATION:

Refer safety data sheet for FULL details.

Available via: www.solutionssealers.com or

email: info@solutionssealers.com

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
n-butyl acetate	123-86-4	> 60% w/w	150 ppm, 713 mg/m ³	200 ppm, 950 mg/m ³
Copolymer resins	Proprietary	< 10% w/w	not set	not set
Silanes	17980-47-1	10 - 30% w/w	not set	not set



- UN Number 1263
- ADG Classification 3 (Paint)
- ADG Subsidiary Risk Not applicable
- Packing Group III
- Hazchem Code 3[Y]
- SUSDP Classification S5 (Hydrocarbons)

EMERGENCY OVERVIEW

- Colour Colourless.
- Physical Description Liquid.
- Odour Strong acetate odour.

This product is classified as HAZARDOUS according to criteria of the National Occupational Health and Safety Commission Australia.

This product is classified as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.

This product is a scheduled Poison according to the SUSDP.

