



RR STONE
Solutions for Stone



For the care and protection of kitchen worktops, vanitory unit tops, table tops, bar tops and similar surfaces exposed to prolonged spillages and for sealing wall cladding and furniture surfaces etc.

RR Stone Co, Worktop and Wall Cladding Seal has been developed over many years to provide a effective cleaning, protection and subsequent care of all worktop, countertop, wall cladding and similar surfaces in marbles, granites, limestones, syenites, quartzites, slates and similar stone and stone-like materials, wood, concrete and other surfaces requiring protection from spillage, staining, pollution etc.

It has been used with excellent results in a wide range of locations and conditions.

Worktop/Wall Cladding Seal is available in several versions depending on the requirements of the substrate and application conditions.

GRADE RANGE

All grades of Worktop/Wall cladding Seal are highly penetrative and can provide maximum colour/character development where required - differences in performance between the grades are only relevant when an actual film or coating is left on the stone surface.

Where a 'natural' appearance is required, surplus unabsorbed sealant is removed from the surface by wiping/polishing and no practicable differences are perceptible either in appearance or performance

GLOSS Worktop/Wall cladding SEAL, a clear colourless liquid: forms a very high gloss hard coating with excellent wear resistance when applied to non-porous or previously saturated surfaces; when used on flamed or other textured surfaces, preserves the natural sparkle of exposed/cleft crystal faces.

STANDARD Worktop/Wall cladding SEAL, an opalescent liquid: forms a matt/low sheen film with enhanced wear and abrasion resistance compared with Polished Worktop/Wall cladding Seal; when used on flamed surfaces, matts down glossy or polished areas. Other grades are available for special purposes.



Worktop Seal

DESCRIPTION

Worktop/Wall cladding SEAL is a highly developed one-pack low viscosity (but high solids), non yellowing penetrative sealant, using low mean molecular weight linear reactive polymer molecules which penetrate into, seal, consolidate and coat many natural and similar substrates, protecting them from staining and chemical attack whilst allowing preservation of the 'natural' appearance of the material, when used according to specification.

They are also used to give surface coatings on a wide range of surfaces without leaving application marks in the cured film.

They have exceptional chemical resistance, colour stability, resistance to u/v and general weathering effects, with high wear and abrasion resistance.

They have low to very low slip resistance thus must not be used on floors or other trafficked surfaces.

They have medium cure rates which can be accelerated by addition of non-critical ratio catalyst; shelf-life exceeds 12 months at 20° Celsius in unopened cans; only non-toxic, low hazard oxygenated solvents are used - no chlorinated or aromatic solvent content.

USES

- "Coating" of low porosity and non-porous surfaces (including hard plastics, painted surfaces and bare metals) for protection against spillage, pollution, graffiti and other soiling/defacement.
- Natural' finish impregnational penetrative sealing of 'stone' particularly granites, syenites, dense marbles and limestones, quartzites, slates and similar stones and other low to medium porosity surfaces - walls, furniture, monumental and statuary work, consolidation of decayed and friable stone, concrete, terracotta, alabaster, wood, concrete etc - and many other uses on a wide range of surfaces/substrates.
- Wide range of other uses e.g. coating/sealing swimming pools/ bathroom/shower walls and other tiled/grouted installations - where it is often impossible to locate sources of leakage - saturation with Worktop/Wall Cladding SEAL (one or more treatments) usually cures the problem 'invisibly' without the cost, downtime or disfiguring effects of the traditional approaches of re-tiling or applying a complete epoxy or polyurethane lining. Restoring worn/dull vinyl table/bar tops etc.

THE PRODUCT MUST NOT BE USED ON FLOORS OR STAIRS due to its low slip factor

TECHNICAL INFORMATION

The basic properties of the product - very good colour, transparent, non-yellowing, highly penetrative, high chemical and physical properties on cure, safe to use - gives very wide usage possibilities in addition to the original application of sealing/coating working surfaces.

Flash point - above 55° Celsius (classed as non-flammable)

Solids (non-volatile at 105°C) content - 25 to 98% depending on grade required.

Free isocyanate content: less than 0.25% on solids Hazard Symbol -Xi (Irritant)

Cure time, at 20° Celsius (standard version) - 20 micron wet film (50M2/L): Tack-free - 4-5 hrs; Hard dry - 6-8hrs with max. recommended catalyst level: Tack-free - 1-2 hrs; Hard dry - 2-3 hrs
Colour (DIN 6162, max)- 1, (PRS, max)- 1
Viscosity, 20C, mPs (standard version) - 10-20 mPs
Surface tension (dynes/cm) - 18-19
Specific gravity - 1.05 Pencil Hardness of cured films -> 10H
Elongation at break - 70-80%

Coverage depends on substrate porosity
40-50M2/ L on honed or polished granites etc, 35 -40M2/L on honed dense marbles, slate, 12-15M2/L on cleft/exfoliated/flamed surfaces; but may be as low as 6-8M2/L on porous granites or marbles etc. - porous surfaces should be saturated with a standard R R Stone Co sealant - e.g. Standard Grade before application of a final treatment of Worktop / Wall cladding Seal.

HEALTH AND SAFETY

The solvents and other components in STONE SEAL have been selected to maximise technical performance whilst minimising hazards in use and to the environment.

The solvents are biodegradable; the other components are harmless to the environment when cured.

In use, normal precautions should be taken to avoid prolonged exposure to fumes/vapours and to avoid prolonged skin contact or ingestion.

Provide good ventilation or use suitable respirator.

Use rubber gloves.

Use goggles when working overhead or spraying.

Containers of the product should be stored in a cool, dry place.

Dispose of unwanted material by absorbing in cloths, sand, earth etc., douse with water, allow to stand for 24 hours and dispose of as refuse according to local regulations.

STORAGE

RR Stone WallSeal Clear is not flammable; it should be stored according to local regulations currently in force. Keep away from sources of excessive heat or ignition and protect from freezing.:

Shelf-life when stored in cool (below 20°C), dry place - 6 months min.

Keep containers tightly closed when not in use once opened,

AVAILABILITY

250ml, 1L, rectangular cans.

IMPORTANT: This information is provided for the guidance of prospective users: no liability, either express or implied, can be undertaken by the manufacturer - it is the responsibility of the intending user to determine fitness for purpose, although the manufacturers endeavour to ensure that the best advice and recommendations are given, based on laboratory and field experience. Liability is limited to replacement of materials found to be defective in materials or manufacture.

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