

R R STONE COMPANY

SIOSEAL



An impregnating protective treatment for porous surfaces

DESCRIPTION

SioSeal is a very low viscosity solvent-based impregnating treatment for most porous surfaces - from low porosity stone to highly porous wood and concrete.

It has no (or at most very slight if heavily over applied) effect on the surface texture or appearance of the substrate.

Based on the latest chemical technology, the cured product will protect the surface from penetration of aqueous liquids and stains and give effective protection from oils and similar liquids; resistance to solvent-based attack depends on the solvent - alcohols and aliphatics are well resisted, aromatics and esters will attack the product in due course.

Attack by acids on acid-sensitive surfaces is hindered.

Resistance to u/v and general sunlight is excellent but damage to and erosion of the substrate by u/v and other natural weathering will reduce the effectiveness of the protection on low porosity substrates - more porous substrates will be better protected as the active components will have penetrated more deeply.

The product may be applied lightly as a pre-treatment before use of R R Stoneseal reactive sealant to give initial protection against soiling and following trades.

The products do not provide the same degree of protection as the R R Stone range of reactive sealants nor do they enhance or develop the colour or character of the substrate. They are intended to give effective, very easy to apply protection to a wide variety of surfaces.



Before

*After - little or no
change, just protected*

APPLICATION



This product is applied liberally by sponge applicator, roller, spray or brush to the clean, dry surface.

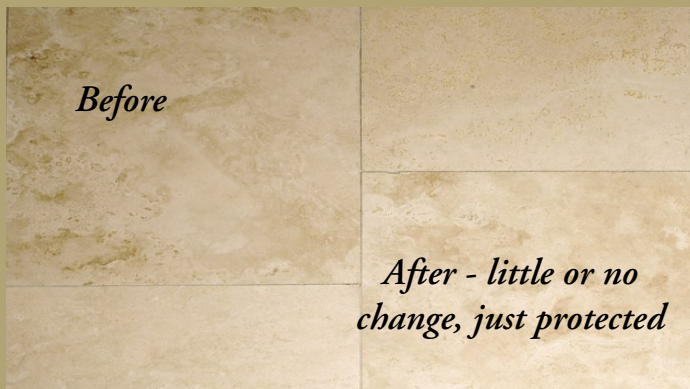
Moisture content can be higher than with most other treatments as the cured product allows the surface to 'breathe freely' to permit final drying - in all cases, the surface should not be very damp or visibly wet, otherwise penetration (and hence protection) will be adversely affected.

The uniformly treated surface is left to dry and cure before allowing into service - up to 24 hours at 20°C/50%RH

Surplus material should be spread out with the applicator, but, except on dark, low porosity surfaces, will probably not be visible.

If any application marks remain on such surfaces and the rest of the surface is dry, the excess material should either be buffed away, or dissolved in a further application of the product and wiped away or cleaned off with solvent - e.g. white spirit or cellulose thinners. This must be done within 24 hours of application - excess cured material is very difficult to remove from porous or rough surfaces.

More porous surfaces may require a second application when the first is dry.



When used as a pre-treatment prior to grouting, ensure the surface is free from debris and adhesive deposits and the floor as dry as possible; apply carefully with a Sponge Applicator or lambswool roller.

Do not allow to flood down the open joints otherwise adhesion of the grout to the sides of the joint may be affected.

On very porous stones, it may be better to apply two light coats. Grouting can start as soon as the treatment is dry (30-60 minutes depending on conditions) but a delay of 4 – 6 hours is beneficial where possible. Follow normal good grouting practice - wipe off surplus grout and sponge down thoroughly with clean water as the work progresses. Fresh grout will attack the cured sealant slowly if left in contact and may be harder to remove.

DURABILITY

The product is normally unaffected by non-abrasive conditions, but where used on floors, light reapplication may be required if/when routine cleaning becomes more difficult, indicating loss of protection/product.

On vertical and non-wearing surfaces, reapplication is only necessary if substrate erosion due to u/v and/or weather renders the surface non-repellent. Light re-application only is required.

HEALTH AND SAFETY

The liquid products contain solvents and are classified as Irritants - once cured; they are harmless and inert and can be used in domestic and catering establishments, etc.

Food contact use is possible, although the chemical resistance of the product must be considered carefully before such uses.

STORAGE

Shelf life if stored in a cool, dry place, is 6 months from date of manufacture.

AVAILABILITY

R R Stone SioSeal is available as Standard grade – special versions are available for requirements not met by the standard grade:

All grades are available in 250ml, 1l, 5l and 25L tinplate or steel cans/drums.

IMPORTANT: this information is provided in good faith but as conditions of use are outside the central of the manufacturer, it is the responsibility of the intending user to determine fitness for purpose: the manufacturers will use their best endeavours to provide reliable information but no liability, beyond replacement of proven defective materials, can be accepted.



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