

POLISHED STONE SEAL KIT

Customer Information leaflet

Polished Stone Seal impregnating sealant and high performance coating system Application Kit

Please Read this Information Leaflet carefully - it contains the basic information you need to use the high performance products in this kit successfully - both the effective preparation of surfaces and the application of the products.

For further information on preparation of surfaces, particularly where they appear to have been given treatments of other materials or where such treatments interfere with the use of the products in this kit, please consult our sales department.

CCC Polished Stone Seal

a versatile product - it can be used on its own as 1-Component highly penetrative colour enhancing impregnating sealant for porous stones, as a colour-reviver on dulled or honed stone and as a coating on dense low porosity (or pre-sealed) surfaces:

it is used as one of the components of a fast curing 2-Component coating by mixing with an equal volume of No 2 Fast Coating Additive.

Used as an impregnator, it enhances the natural colour and character of the stone, seals porous surfaces against staining of all kinds, including oils and grease; when applied as a surface coat, provides a hard-wearing high gloss protective film against all household spillages including acids.

When used as a component of 2-Component 'Fast cure' coatings, by adding an equal volume of No 2 Fast Coating Additive, significantly higher chemical and wear resistance is provided with very short drying and curing times

CCC No2 Fast Coat Additive

this additive, when mixed in equal volumes with Polished Stone Seal, enables the application of fast drying and curing coatings to clean prepared stone (and other non-porous) surfaces without the need to special primers. The coatings have higher chemical and wear resistance whilst having considerable flexibility and can be re-polished with fine stone polishing powder if scuffed.

Detailed Instructions for Use - CCC Polished Stone Seal

Instructions for use as 1-Component Impregnator, sealant and coating:

Surface Preparation:

Careful surface preparation is vital to get the best out of the products in this kit.

Remove all traces of previous coatings or treatments - the supplied CCC Solvent Cleaner will remove light coats of common polishes and simple lacquers and dried oils; Intensive Cleaner used undiluted will remove common spray-on maintenance products and some dried oils - prolonged soaking may be required;

Remove stubborn old coatings with CCC Sealant Softener followed by washing down with Intensive Cleaner and water.

Residues of silicone or wax-based 'impregnators' etc. may be removed with Special Silicone Remover (NB: may require several applications to be successful) OR by light re-polishing of the surface to remove the contaminated layer of stone: these products are available from CCC Ltd or distributors.

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Remove minor surface imperfections and light damage with 1200 grit paper, wipe down with water, and dry off.

For more difficult surface preparation matters, please contact CCC Ltd technical support - contact details are at the end of this leaflet.

If there are no previous treatments to remove:

brush off dust and dry debris; wipe with wet cloth to remove 'dried-on' deposits, e.g. sugars, jams, tea, coffee, etc.; apply undiluted CCC Intensive Cleaner on a sponge or cloth; after one minute, rub stubborn grease/oil etc. deposits with cloth or loosen/scrape off with plastic blade; wipe up the Intensive Cleaner and rinse carefully with clean water, wipe dry. Reapply with longer waiting time if necessary e.g. if deposits remain.

Rub down rough or damaged (e.g. acid etch marks) with the 1200 grit paper (for more severe damage, full re-polishing of the damaged area or the whole piece of stone may be required)

If the surface is porous, use a wet-vac to pull liquid out of the stone, re-rinse and re-vacuum then allow to dry completely.

Application of the sealant to impregnate and seal the surface:

Cut a CCC Sponge Blade to a convenient size, fit the supplied handle and make sure there is no dust or debris on the sponge.

Pour some CCC Polished Stone Seal onto the stone surface (do NOT shake the bottle!) and spread out uniformly with the sponge; after a few minutes, reapply to any areas, which have adsorbed the liquid.

Low to moderate porosity surfaces: when no more liquid is absorbed, wipe up any liquid remaining on the surface before it becomes sticky (depends on temperature - 10-15 mins is usually adequate) then polish up with one or two cloths to leave a perfectly smear-free surface.

Allow to cure for 6-8 hours at 20C before use or applying a surface coating.

More porous or open surfaces may require a second or further treatment - wait until the previous application is fully tack-free before applying another: for very porous stone, please contact our technical service as other products in our range may be more suitable than multiple applications of this specifically 'highly penetrative' grade.

Applying a coating:

This should be done only on low porosity, non-porous or porous surfaces sealed as described above - as the product is highly penetrative and slow curing, trying to apply a surface coat on a porous surface will result in a patchy uneven result which may not even be fully protected.

Ensure there is no other coating or residues of previous treatments on the surface:

Remove old coatings with CCC Sealant Remover followed by washing down with Intensive Cleaner and water.

Residues of silicone or wax-based 'impregnators' etc. may be removed with Special Silicone Remover (NB may require several applications to be successful) OR by light re-polishing of the surface to remove the contaminated layer of stone: these products are available from CCC Ltd or distributors.

Remove surface imperfections and light damage with 1200 grit paper, wipe down with water, dry off.

Fit a CCC Sponge Blade to the supplied handle - cut blade to size with a sharp blade if required - brush off any cutting debris carefully.

Pour a pool of Polished Stone Seal directly onto the clean, dry, prepared stone and spread lightly and evenly over the surface with the Sponge Applicator, then, immediately, 'even-out' overlaps and 'tramlines' and wipe away any dust or fluff with the Sponge Applicator or a carefully folded cotton cloth pad, then allow the liquid to flow out and cure with no further working of the surface.

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Depending on the thickness of film and room temperature, the film should cure tack-free in 4- 8 hours and become polishable after 16 hours at 20 Celsius.

If the cured surface feels bitty or dusty, this can be removed by polishing lightly with the 2500 grit paper supplied - water may be used as lubricant - wipe and polish dry with a clean cotton cloth.

If desired, the cured surface can be very lightly polished with very fine grade stone polishing powder or 16,000 grit diamond polishing pads to further enhance the appearance.

Do not polish away the protective coating!

Fast Curing Coating using the 2-Component system -

Using equal volumes of Polished Stone Seal and No 2 Fast Curing Additive

Applying a high performance 2-Component coating:

on new dense low porosity surfaces, the 2-Component coating can be applied directly to the stone if it is clean, dry and free from traces of any other treatment such as wax or silicone or other 'conditioner' or 'dressing' product - very light 'keying' is recommended for the best performance.

porous surfaces require pre-sealing with Polished Stone Seal until they are 'non-porous' before the 2-Component Coating is applied - if this is not done, the result is likely to have an uneven appearance and may not adequately protect very open or rough surfaces: multiple coats may be needed for a reasonably uniform result.

Prepare previously treated or contaminated non-porous surfaces in the same way as before treatment with one-component Polished Stone Seal:

Remove all traces of previous coatings or treatments - the supplied CCC Solvent Cleaner will remove light coats of common polishes and some lacquers and dried oils; Intensive Cleaner used neat will remove common spray-on products and some dried oils - prolonged soaking may be required. For more difficult-to-remove materials, please contact CCC Ltd technical support - details at the end of this leaflet.

Remove dust and dry debris; wipe with damp cloth to remove 'dried-on' deposits; apply CCC Intensive Cleaner on a sponge or cloth - do not dilute; after one minute, rub stubborn grease/oil etc. deposits with cloth or scrape off with plastic blade; wipe up the cleaner and rinse with clean water, wipe dry. Reapply, with longer waiting time, if deposits remain..

Rub down rough or damaged (e.g. etch marks) with the 1200 grit paper (for more severe damage, full re-polishing of the damaged area - or the whole piece of stone - may be required).

In all cases, very lightly 'key' the cleaned prepared surface with the 1200 grade paper supplied - use a rubber block or soft cloth pad to apply a light uniform pressure and avoid uneven markings on the stone. Wipe dust off the surface and wipe down with a cloth dampened with the supplied Solvent Cleaner and allow it to dry. Do not use a proprietary 'Tack Cloth' or similar item.

Applying the coating:

Mix equal volumes of CCC Polished Stone Seal and No 2 Fast Coating Additive in the clean beaker supplied - stir with a clean flat knife blade or similar stirrer: allow it to degas if necessary.

Fit a CCC Sponge Blade to the supplied handle - cut blade to size with a sharp blade if required - brush off any cutting debris carefully.

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Pour a pool of the mixed product onto the stone and spread evenly over the surface with the sponge applicator, then immediately 'even-out' overlaps and 'tramlines' and wipe away any dust or fluff with the applicator or a carefully folded cotton cloth pad, then allow the liquid to flow out and cure with no further working of the surfaces.

Depending on the thickness of film and room temperature, the film should cure tack-free in 15-30 mins and become polishable after 60-120 mins at 20 Celsius.

If the cured surface feels bitty or dusty, this can be removed by polishing lightly with the 2500 grit paper supplied - water may be used as lubricant - wipe and polish dry with a clean cotton cloth.

If desired, the cured surface can be very lightly polished with very fine grade stone polishing powder or 16,000 grit diamond polishing pads to further enhance the appearance.

Do not polish away the protective coating!

It is possible to use the 2-Component mixed product to seal porous surfaces, but the work must be carried out quickly to avoid the product curing on the surface before surplus material can be wiped up/polished away. If this occurs, the surface will require thorough de-nibbing with the 1200 grit paper or possibly coarser abrasives to ensure the surface to be coated is smooth.

Coated surfaces can be re-polished with conventional stone polishing materials - e.g. fine polishing powder, very fine diamond abrasive pads (3000 - 16000 grit high quality pads only - low quality pads that may contain even a single oversized particle that can spoil the whole work.

If such polishing leaves fine 'swirl' or polishing marks, clean down with Cleaner Solvent, dry off and apply a thin coat of Polished Stone Seal then wipe this off and polish up with a cotton cloth pad to remove smears.

The products in this kit are part of a wide range of high performance chemically based products for the repair, refurbishment, stabilisation, bonding and protection of stone, wood, metal, some plastic, and many other surfaces, made in England by Conservation Chemicals Consultants Limited.

For further details and technical advice on all aspects of surface protection, conservation, maintenance, repair and restoration, call our sales or technical services on

Telephone +44 (0) 1229 588 449

Fax +44 (0) 1229 588 670

or email info@conservationchemcials.com

(Basic product information is available for downloading from this website - further more detailed information and advice is obtained by contacting the numbers given above)

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