

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE APPLYING STONE SEAL

Tools and Materials Needed for Stone Seal Application

- Low Speed (175-300 Rpm) Buffing Machine
- Staggered Bristle, Medium Stiff or Nylo-Grit type Brush for the buffer
- Extension Cords
- Stiff Bristle Deck Brush with Handle
- Wet Vacuum
- Blower or Fans for drying floor surfaces
- Plastic Watering Can or Synthetic Nap Mop and Wringer Bucket
- Lint Free Cotton Rags or Towels (1 - 16" x 20" Cotton Rag will wipe approximately 20-25 ft² of floor)
- Wood Applicator Block with Lambs Wool Pad
- Paint Roller Pan for Stone Seal
- Doodle Bug Pad Holder with Extension Handle to Hold Rags when Wiping Up Stone Seal
- Vinyl or Latex Gloves
- Respirator Fitted with Organic Vapor Cartridges
- Knee Pads
- Plastic Sheet to protect adjacent floor surfaces
- Duct Tape to hold down plastic sheet
- Plastic Trash Bags for used wipers and other waste

NOTE: Stone Seal is formulated to perform as a **sub-surface impregnator/sealant** for all unglazed, porous, natural and manufactured stone and mineral surfaces. **Stone Seal is not designed for use as a surface coating. If applied as a coating, Stone Seal will increase soil retention and scuffing.** Stone Seal is not particularly effective on glazed or highly polished stone surfaces. If applied to glazed or highly polished surfaces, Stone Seal's benefit will be to seal and protect the grout from soiling and staining. When applied and wiped off correctly, **Stone Seal should not produce a gloss or significantly alter the appearance of the stone.** Stone Seal can create a patina and accent the color and highlights particularly of darker stones.

FLOORS WITH EXISTING WATER-BASED SEALERS OR FINISHES

All sealers, waxes, coatings and other foreign matter must be removed from stone surfaces prior to applying Stone Seal. Water-based Sealers or Finishes should be removed with Perma #118 Eliminator, No-Rinse Stripper.

Stripping Existing Sealer/Finishes with Eliminator

1. Dilute Eliminator 1 part stripper to 1 part **cold** water. (Diluting Eliminator with warm or hot water will evaporate its active ingredients and reduce its effectiveness) Apply the Eliminator liberally using a plastic watering can and spread the solution with a deck brush or with a mop with a wringer bucket.
2. Allow the diluted Eliminator to stand and work for approximately 10-15 minutes. Scrub the area using low speed (175-300 Rpm) buffing machine equipped with a staggered, medium stiff bristle or nylo-grit type brush, paying particular attention to the grout lines. Strip small areas to avoid having the stripping solution dry out. If necessary re-wet areas that start to dry.
3. Vacuum up dissolved sealer/finish using a wet vacuum. Although the Eliminator itself will not leave a residue, floors should be rinsed to remove any dissolved sealer/finish residue using a cotton mop and wringer bucket or by applying clean water with a watering can. Scrub floors lightly with a deck brush and vacuuming up the rinse water with wet vacuum.
4. Floors that are thoroughly clean following the stripping procedure may be Stone Sealed. Floors that still show staining or embedded soil should be cleaned using Deep Impact prior to applying Stone Seal.

NOTE: Stone Seal is a permanent treatment. Surfaces must be thoroughly and completely cleaned prior to the application of Stone Seal. Stone Seal is formulated to resist the most aggressive water-based cleaners, so it can only be removed using a strong solvent. An unsatisfactory appearance caused by not removing soil or staining prior to the application of Stone Seal will be difficult and labor intensive to fix later.

UNCOATED OR UNTREATED FLOORS

Remove heavy soil deposits, light petroleum oils and heavy protein grease using #156 Deep Impact or #150 Grease Cutter. To remove heavy petroleum greases, inks and many adhesives use #820 Citru-Gest. Super Blue, may be used to remove light soil from well maintained or new installations.

Spot Cleaning Heavy Petroleum Based Oil, Grease or Ink with #820 Citru-Gest

1. Heavy concentrations of petroleum based oil or grease and inks should be spot cleaned with Citru-Gest before being cleaned with Deep Impact. Depending on the soil concentration, apply Citru-Gest full strength, directly from the can or diluted 1:1 with water. Allow the Citru-Gest to work for 5-10 minutes, then spot scrub using a low speed buffing machine equipped with a brush, stiff bristle deck brush or hand brush.

Deep Cleaning Soiled Floors With #156 Deep Impact or #150 Grease Cutter

1. Dilute Deep Impact 1 part cleaner to 10 parts warm or hot water (13 ounces/gallon). Apply the diluted Deep Impact liberally using a plastic watering can and uniformly spread the solution with a stiff bristle deck brush. Deep Impact may also be applied with a mop with a wringer bucket. Allow the Deep Impact solution to work for 5-10 minutes.
2. Scrub the area using low speed (175-300 Rpm) buffing machine equipped with a staggered, medium stiff bristle or nylon-grit type brush, paying particular attention to the grout lines.
3. Vacuum up the soiled solution with a wet vacuum. A small amount of defoamer added to the solution recovery tank will reduce excess foaming.
4. Flood rinse the area with clean water, using a plastic watering can or mop and wringer bucket. Remove the rinse water with a wet vacuum.

NOTE: If the grout lines and tile have been restored to a like new appearance after being cleaned with Deep Impact, then the floor should be allowed to dry *thoroughly* and may be treated with Stone Seal. If the grout lines or tile still show signs of soiling or staining then the floor should be cleaned with Prepare, Etching and Brightening Solution as described in Step 3.

Removing Embedded Stains and Brightening With #111E Prepare

1. For light staining or soiling dilute 1 part Prepare with 2 parts cold water. For regular or moderate staining dilute 1 part Prepare with 1 part cold water. For heavy staining or soiling Prepare may be used full strength.

NOTE: Prepare is a powerful Hydrochloric/Muriatic Acid Etching and Brightening solution. Proper safety equipment should be worn at all times when working with Prepare. In enclosed areas with limited ventilation the vapors, particularly at higher use concentrations, can be irritating to sinuses and respiratory membranes. In these situations the use of a respirator is recommended.

2. Apply Prepare liberally using a plastic watering can and uniformly spread the solution with a stiff bristle deck brush. Prepare may also be applied using a synthetic fiber mop and wringer bucket. Allow the Prepare to work for approximately 5 minutes or until the chemical foaming reaction stops.
3. Scrub the area using low speed (175-300 Rpm) buffing machine equipped with a staggered, medium stiff bristle or nylon-grit type brush, paying particular attention to the grout lines.
4. Vacuum up the soiled solution with a wet vacuum.
5. Flood rinse the area with clean water, using a plastic watering can or mop and wringer bucket. Re-scrub the area with the buffing machine.
6. Vacuum up the rinse solution using a wet vacuum. The floor should be allowed to dry *thoroughly* and may then be treated with Stone Seal.

NOTE: At cold temperatures some separation of the active ingredients may occur. Up end and shake the Stone Seal container to remix ingredients before applying Stone Seal.

Treating Floors with Stone Seal

1. Using a lambswool applicator, foam brush, paint brush or other appropriate application tool, apply an even application of Stone Seal sufficient to dampen the stone surface. The amount Stone Seal necessary will vary depending on the porosity of the type of stone and grout being treated. A good indicator that sufficient Stone Seal has been applied is when a small amount of Stone Seal remains on the surface of the stone and grout.
2. Allow the product to penetrate and impregnate the stone surface. Satisfactory penetration should be achieved within 1 to 3 minutes.

Thoroughly wipe all treated surfaces to remove residual Stone Seal not absorbed by the floor using clean towels, clothes, or lint free rags. Once a wiper becomes damped with Stone Seal it should be changed. A good quality cotton rag should effectively wipe 20-25 square feet of floor before it needs to be replaced. Do not allow Stone Seal to dry before removing residual material. **When applied and wiped off correctly, Stone Seal should not produce a gloss or significantly alter the appearance of the stone.** Stone Seal can create a patina and accent the color and highlights particularly of darker stones.

3. **Most stone surfaces and grout only require a single application of Stone Seal.** Some exceptionally porous stones such as Mexican Clay Tiles, Sand Stone or some grouts may require a second treatment. A second application can be applied after the Stone Seal has dried for approximately 30-40 minutes using the same procedures.