

Care & Cleaning

*Care and maintenance is the sole responsibility of the homeowner and Graham Hart Home Builder accepts no liability for damage caused due to usage of any of the below stated methods or cleaners.

Natural Stone Surfaces

Care & Precautions

Use coasters under all glasses, particularly those containing alcohol or citrus juices. Many common food and drinks contain acids that will etch or dull the surface of many stones.

Do not place hot items directly on the stone surface. Use trivets or mats under hot dishes and placements under china, ceramics, silver or other objects that can scratch the surface.

Cleaning Procedures & Recommendations

Floor Surfaces

Dust mop interior floors, frequently using a clean non-treated dry dust mop. Sand dirt and grit do the most damage to natural stone surfaces due to their abrasiveness. Mats or area rugs inside and outside an entrance will help to minimize the sand, dirt and grit that will scratch the stone floor. Be sure that the underside of the mat or rug is a non-slip surface. Normally, it will take a person about eight steps on a floor surface to remove sand or dirt from the bottom of their shoes.

Do not use vacuum cleaners that are worn. The metal or plastic attachments or the wheels may scratch the surface.

Other Surfaces

Clean stone surfaces with a few drops of neutral cleaner, stone soap (available at hardware stores or from your stone dealer) or a mild liquid dishwashing detergent and warm water. Use a clean rag mop on floors and a soft cloth for other surfaces for best results. Too much cleaner or soap may leave a film and cause streaks. Do not use products that contain lemon, vinegar or other acids on marble or other calcareous stones. Rinse the surface thoroughly after washing with the soap solution and dry with a soft cloth. Change the rinse water frequently. Do not use scouring powders or creams; these products contain abrasives that may scratch the stone.

Bath and Other Wet Areas

In the bath or other wet areas, soap scum can be minimized by using a squeegee after each use. To remove soap scum, use a non-acidic soap scum remover or a solution of ammonia and water (about ½ cup ammonia to a gallon of water). Frequent or over-use of an ammonia solution may eventually dull the surface of the stone.

Vanity Top Surfaces

Vanity tops may need to have a penetrating sealer applied. Check with your installer for recommendations. A good quality marble wax or non-yellowing automobile paste wax can be applied to minimize water spotting.

Food Preparation Areas

In food preparation areas, the stone may need to have a penetrating sealer applied. Check with your installer for recommendations. If a sealer is applied, be sure that it is non-toxic and safe for use on food preparation surfaces. If there is a question, check with the sealer manufacturer.

Outdoor Pool & Patio Areas

In outdoor pool, patio or hot tub areas, flush with clear water and use mild bleach solution to remove algae or moss.

Know Your Stone

Natural stone can be classified into two general categories according to its composition: siliceous stone or calcareous stone. Knowing the difference is critical when selecting cleaning products.

Siliceous stone is composed mainly of silica or quartz-like particles. It tends to be very durable and relatively easy to clean with mild acidic cleaning solutions. Types of siliceous stone include granite, slate, sandstone, quartzite, brownstone and bluestone.

Calcareous stone is composed mainly of calcium carbonate. It is sensitive to acidic cleaning products and frequently requires different cleaning procedures than siliceous stone. Types of calcareous stone include marble, travertine, limestone and onyx. What may work on siliceous stone may not be suitable on calcareous surfaces.

How to Tell the Difference

A simple acid sensitivity test can be performed to determine whether a Stone is calcareous or siliceous. You will need a few drops of vinegar and an eyedropper. Because this test may permanently etch the stone, select an out of the way area (a corner or closet) and several inches away from the mortar joint.

Apply a few drops of the vinegar to the stone surface on an area about the size of a quarter. If the stone is calcareous, the vinegar will etch the stone. If little or no reaction occurs, the stone can be considered siliceous.

Rinse the area thoroughly with clean water and wipe dry. This test may not be effective if surface sealers or liquid polishes have been applied. If an old sealer is present, ship a small piece of stone away and apply the vinegar to the fractured surface.

If in doubt, contact your stone installer for information on the type of stone installed.

Stone Finishes

A *polished finish* on the stone has a glossy surface that reflects light and emphasizes the color and marking of the material. This type of finish is used on walls, furniture tops and other items, as well as floor tiles.

A *honed finish* is a satin smooth surface with relatively little light reflection. Generally, a honed finish is preferred for floors, stair treads, thresholds and other locations where heavy traffic will wear off the polished finish. A hone finish may also be used on furniture tops and other surfaces.

A *flamed finish* is a rough textured surface used frequently on granite floor tiles.

Stone Colors and Appearance

Granite and marbles are quarried throughout the world in a variety of colors with varying mineral compositions. In most cases, marbles and granites can be identified by visible particles at the surface of the stone. Marble will normally show “veins” or high concentrations of mineral. The minerals in granite will typically appear as small flecks distributed uniformly in the stone. Each type of stone is unique and will vary in color, texture and marking.

Sandstones vary widely in color due to different mineral and clays found in the stone. Sandstone is light gray to yellow or red. A dark reddish brown sandstone, also called brownstone, has commonly been used in the northeastern United States and eastern Canada. Bluestone is a dense, hard, fine-grained sandstone of greenish-gray or bluish-gray color and is quarried in the eastern United States.

Limestone is a widely used building stone with colors typically light gray, tan or buff. A distinguishing characteristic of many limestones is the presence of fossils that are frequently visible in the stone surface.

Slate is dark green, black, gray, dark red or multi-colored. It is most commonly used as a flooring material and for roof tiles and is often distinguished by its distinct cleft texture.

Spills and Stains

Blot the spill with a paper towel immediately. Don't wipe the area, it will spread the spill. Flush the area with plain water and mild soap and rise several times. Dry the area thoroughly with a soft cloth. Repeat as necessary. If the stain remains, refer to the section in this brochure on stain removal.

Stain Removal

Identifying the type of stain on the stone surface is the key to removing it. If you don't know what caused the stain, play detective. Where is the stain located? Is it near a plant, a food service area, an area where cosmetics are used? What color is it? What is the shape or pattern? What goes on in the area around the stain?

Surface stains can often be removed by cleaning with an appropriate cleaning product or household chemical. Deep-seated or stubborn stains may require using a poultice or calling in professional. The following sections describe the types of stains that you may have to deal with an appropriate household chemicals to use and how to prepare and apply a poultice to remove the stain.

Types of Stains & First Step Cleaning Actions

Oil-based (grease, tar, cooking oil, milk, cosmetics) an oil-based stain will darken the stone and normally must be chemically dissolved so the source of the stain can be flushed or rinsed away.

Clean gently with a soft, liquid cleanser with bleach OR household detergent OR ammonia OR mineral spirits OR acetone.

Organic (Coffee, tea, fruit, tobacco, paper, food, urine, leaves, bark, bird droppings) May cause a pinkish-brown stain and may disappear after the source of the stain has been removed. Outdoors, with the sources removed, normal sun and rain action will generally bleach out the stains. Indoors, clean with 12% hydrogen peroxide (hair bleaching strength) and a few drops of ammonia.

Metal (iron, rust, copper, bronze) Iron or rust stains are orange to brown in color and follow the shape of the staining object such as nails, bolts, screws, cans, flower pots, metal furniture. Copper and bronze stains appear as green or muddy-brown and result from the action of moisture on nearby or embedded bronze, copper or brass items. Metal stains must be removed with a poultice. (See section on Making & Using a Poultice) Deep-seated, rusty stains are extremely difficult to remove and the stone may be permanently stained.

Biological (algae, mildew, lichens, moss, fungi) Clean with dilute (1/2 cup in a gallon of water) ammonia OR bleach OR hydrogen peroxide. **DO NOT MIX BLEACH AND AMMONIA! THIS COMBINATION CREATES A TOXIC AND LETHAL GAS!**

Ink (magic marker, pen, ink) Clean with bleach or hydrogen peroxide (light colored stone only!) or lacquer thinner or acetone (dark stones only!)

Paint Small amounts can be removed with lacquer thinner or scraped off carefully with a razor blade. Heavy paint coverage should be removed with a commercial “heavy liquid” stripper available from hardware stores or paint centers. Do not use acids or flame tools to strip paint from stone. Paint strippers can etch the surface of the stone; repolishing may be necessary. Follow the manufacturer’s directions for use of these products, taking care to flush the area thoroughly with clean water. Protect yourself with rubber gloves and eye protection, and work in a well ventilated area. Use only wood or plastic scrapers for removing the sludge and curdled paint. Normally, latex and acrylic paint will not cause staining. Oil-based paints, linseed oil, putty, caulks and sealants may cause oily stains. Refer to the section on oil-based stains.

Water Spots and Rings (surface accumulation of hard water) Buff with dry 0000 steel wool.

Fire and Smoke Damage Older stones and smoke or fire-stained fireplaces may require a thorough cleaning to restore their original appearance. Commercially available “smoke removers” may save time and effort.

Etch Marks are caused by acids left on the surface of the stone. Some materials will etch the finish but not leave a stain. Others will both etch and stain. Once the stain has been removed, wet the surface with clear water and sprinkle on marble polishing powder, available from a hardware or lapidary store, or your local stone dealer. Rub the powder onto the stone with a damp cloth or by using a buffing pad with a low-speed power drill. Continue buffing until the etch mark disappears and the marble surface shines.

Contact your stone dealer or call a professional stone restorer for refinishing or repolishing etched areas that you cannot remove.

Efflorescence is a white powder that may appear on the surface of the stone. It is caused by water carrying mineral salts from below the surface of the stone rising through the stone and evaporating. When the water evaporates, it leaves the powdery substance. If the installation is new, dust mop or vacuum the powder. You may have to do this several times as the stone dries

out. Do not use water to remove the powder: it will only temporarily disappear. If the problem persists, contact your installer to help identify and remove the cause of the moisture.

Scratches and Nicks Slight surface scratches may be buffed with dry 000 steel wool. Or, refer to the section on etch marks and follow the polishing procedures. Deeper scratches and nicks in the surface of the stone should be repaired and repolished by a professional.

Making & Using a Poultice

A poultice is a liquid cleaner or chemical mixed with a white absorbent material to form a paste about the consistency of peanut butter. The poultice is spread over the stained area to a thickness of about ¼ to ½ inch with a wood or plastic spatula, covered with plastic and left to work for 24 to 48 hours. The liquid cleaner or chemical will draw out the stain into the absorbent material. Poultice procedures may have to be repeated to thoroughly remove a stain, but some stains may never be completely removed.

Poultice Materials

Poultice materials include kaolin, fuller's earth whiting, diatomaceous earth, powdered chalk, white molding plaster or talc. Approximately one pound of prepared poultice material will cover one square foot. Do not use whiting or iron-type clays such as fuller's earth with acid chemicals. The reactions will cancel the effect of the poultice. A poultice can also be prepared using white cotton balls, white paper towels or gauze pads.

Cleaning Agents or Chemicals

Oil-based Stains: Poultice with baking soda and water OR one of the powdered poultice materials and mineral spirits.

Organic Stains: Poultice with one of the powdered poultice materials and 12% hydrogen peroxide solution (hair bleaching strength) OR use acetone instead of the hydrogen peroxide.

Iron Stains: Poultice with diatomaceous earth and a commercially available rust remover. Rust stains are particularly difficult to remove. You may need to call a professional.

Copper Stain: Poultice with one of the powdered poultice materials and ammonia. These stains are difficult to remove. You may need to call a professional.

Biological Stains: Poultice with one of the poultice materials and dilute ammonia OR bleach OR hydrogen peroxide. **DO NOT MIX AMMONIA AND BLEACH! THIS COMBINATION CREATES A TOXIC AND LETHAL GAS!**

Organic Stains: Poultice with one of the powdered poultice materials and 12% hydrogen peroxide solution (hair bleaching strength) OR use acetone instead of the hydrogen peroxide.

Applying the Poultice

1. Prepare the poultice. If using powder, mix the cleaning agent or chemical to a thick paste the consistency of peanut butter. If using paper, soak in the chemical and let drain. Don't let the liquid drip.
2. Wet the stained area with distilled water.

3. Apply the poultice to the stained area about ¼ to ½ inch thick and extend the poultice beyond the stained area by about one inch. Use a wood or plastic scraper to spread the poultice evenly.
4. Cover the poultice with plastic and tape the edges to seal it.
5. Allow the poultice to dry thoroughly, usually about 24 to 48 hours. The drying process is what pulls the stain out of the stone and into the poultice material. After about 24 hours, remove the plastic and allow the poultice to dry.
6. Remove the poultice from the stain, rinse with distilled water and buff dry with a soft cloth. Use the wood or plastic scraper if necessary.
7. Repeat the poultice application if the stain is not removed. It may take up to five applications for difficult stains.
8. If the surface is etched by the chemical, apply polishing powder and buff with burlap or felt buffing pad to restore the surface.

Granite Countertops

Can I cut on my granite countertop?

Only if you want to ruin your good knives. Granite is harder than your knife blades and will dull them very quickly. If you use the countertop as a cutting surface, always cut and chop on a wooden or plastic cutting board.

Does Granite stain?

In general, no. All stone is porous to some extent. Granite however, has very little porosity. A few colors may absorb some moisture with prolonged contact compared to others. For example, a puddle of water left on the counter, for some colors, may show a dark spot when the water is wiped away. Usually, no evidence remains once the liquid is removed and the granite dries. A stone sealer is highly recommended for all granite after installation.

Does granite burn?

No. You can't burn granite with ordinary use. It is perfectly okay to set hot pots or pans directly from the stove or oven onto granite.

How do you take care of granite?

Warm soapy water will do the trick; or use cleaners specifically formulated to help clean and protect stone surfaces.

I've noticed some granite have pits on the surface. Will I have these on my kitchen counters?

Granite, which is crystalline in structure, always has tiny pits – spaces between the various mineral crystals. Granite sometimes has natural fissures as well, which may look like cracks, but are not structural defects and are a naturally occurring result of the immense heat and pressure that formed the granite eons ago.

Will my granite look like the sample?

Marble and granite are natural stones created by the forces of nature. They are composed of various minerals and are susceptible to wide variations in color, texture, spotting, veining and cracking. These variations are expected and are the source

Wood Floors

The worst thing for a wood floor is a self-polishing acrylic wax made for sheet vinyl – it makes wood slippery and dull, especially if it has a polyurethane finish. The only remedy then is to sand and refinish. Instead, sweep or vacuum regularly to keep it grit-free, wipe up spills promptly, and stick with cleansers recommended by the finish manufacturer, advises the National Wood Flooring Association. Alternatively, wipe the floor with a barely damp cloth, then towel-dry. Never wet-mop; standing water can cause wood to swell and buckle.

Do's and Don'ts

DO dust mop floors frequently

DO Clean surfaces with mild detergent or stone soap

DO thoroughly rinse and dry the surface after washing

DO Blot up spills immediately

DO Protect floor surfaces with non-slip mats or area rugs and countertop surfaces with coasters, trivets or placemats

DON'T Use vinegar, lemon juice or other cleaners containing acids on marble, limestone, travertine or onyx surfaces

DON'T Use cleaners that contain acid such as bathroom cleaners, grout cleaners, grout cleaners or tub & tile cleaners

DON'T Use abrasive cleaners such as dry cleansers or soft cleansers

DON'T Mix bleach and ammonia; this combination creates a toxic and lethal gas

DON'T Ever mix chemicals together unless directions specifically instruct you to do so

Call your professional stone supplier, installer or a restoration specialist for problems that appear too difficult to treat.