



## Quick Links

[Facilities Website](#)

[Safety Data Sheets \(SDS\)](#)

Some of these links lead to web-based resources that are not product-specific.

## Product Description

Scotchgard™ Stone Floor Protector is a high performance floor surface hardener and protective clear coat for concrete, marble, terrazzo, and other porous stone surfaces. It produces a glossy, hard, dust repellent and watertight surface.

## Special Features

- Certified by National Floor Safety Institute (NFSI) as “High Traction” under ANSI B101.1 wet test.
- Glossy, hard coating that reduces dust formation.
- Hardens and seals concrete, marble, terrazzo, and other porous stone surfaces.
- Easy to repair or recoat.
- Surface scratches can be burnished away with Scotch-Brite™ Purple Diamond Floor Pad Plus.

## Applications

Scotchgard™ Stone Floor Protector may be used on concrete, marble, terrazzo, and other porous stone surfaces.

Scotchgard™ Stone Floor Protector should **NOT** be used on the following types of flooring:

- Floors with extreme lippage (uneven tiles).
- Installations where the account does not own a burnisher or is unwilling to burnish.
- Ceramic (including porcelain, quarry, Mexican tile, etc.).
- Textured stone (such as slate).
- Installs where air temperature is below 50 degrees Fahrenheit.

The 3M™ Trizact™ Diamond Abrasive TZ Pads and Scotchgard™ Stone Floor Protector System is **NOT RECOMMENDED** for use in the following areas:

- Where flooring is often exposed to water (outdoor sidewalks, swimming pool areas, and carwashes, etc).

- Where flooring is often dusty or dirty, (wood shops, manufacturing sites, playgrounds, etc).
- Where cleaning and dust mopping are not performed regularly (garages, dock areas, etc.).
- Where solvent degreasers are commonly used (kitchens, meat processing plants, maintenance bays, etc.).

Caution should be used when using Scotchgard™ Stone Floor Protector on flooring that is:

- Stained concrete (3M™ Trizact™ Diamond Abrasive TZ Pads can leave non-uniform color due to removal of top layer of surface, see stained concrete floor preparation section).
- Travertine (increased dry time).
- Granite (3M™ Trizact™ Diamond Abrasive TZ Pads and Scotchgard™ Stone Floor Protector should not be used on granite that is already highly polished).
- Marble (Black and darker shades of marble).
- Crystallized marble (must remove crystallized layer using 3M™ Trizact™ Diamond Abrasive TZ Pads first).
- Grout lines greater than 1/4 inch (often sanded grout).

## General Use Directions

Recommended Tools/Equipment:

1. Mop and bucket
2. Swing machine and wet vac or autoscrubber
3. High speed burnisher (dust control recommended)
4. 3M™ Trizact™ Diamond Abrasive TZ Pads
5. Scotch-Brite™ Sienna Diamond Floor Pad Plus
6. Scotch-Brite™ Purple Diamond Floor Pad Plus
7. 3M™ Scotch-Brite™ Professional 2-In-1 Flat Mop & Backpack Finish Applicator Kit
8. Scotchgard™ Floor Protector Applicator Pad, Blue
9. 3M™ Easy Trap™ Sweep & Dust Sheets
10. Scotchgard™ Stone Floor Protector
11. Applicable Personal Protective Equipment (PPE)

## Marble, Terrazzo, and Un-dyed Concrete Floor Preparation

1. Strip all old finish from floor (follow finish manufacturer's recommended procedure).
2. If the floor is uncoated, clean thoroughly and rinse floor with water.
3. If flooring is rough to the touch or has pronounced scratching, wet floor and scrub with 3M™ Trizact™ Diamond Abrasive TZ Gold Pad, coarse grade, and complete a minimum of 6 passes (All Trizact™ Abrasive Pads should be used in conjunction with a 3M™ Red Buffer Pad 5100 per 3M™ Trizact™ Abrasive Pad

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use instructions). After six passes use the floor squeegee to move away the slurry and ensure that the floor has a consistent appearance. If floor does not have a consistent, uniform appearance, complete another six passes.

4. Always wet vacuum and dust mop before moving to the next series of 3M™ Trizact™ Diamond Abrasive Pads. This is to ensure that any abrasive that may have come loose during the previous step is removed from the floor and does not remain to cause scratching during the next step.

**NOTE:** Failure to remove slurry between steps can also cause excessive wear of products used in the following steps.

5. Wet floor and scrub with 3M™ Trizact™ Diamond Abrasive TZ Red Pad, medium grade, and complete a minimum of 6 passes. After completing the required number of passes, use the floor squeegee to move away the slurry and ensure that the floor has a consistent appearance. If floor does not have a consistent appearance, complete another six passes.
6. Always wet vacuum and dust mop before moving to the next series of 3M™ Trizact™ Diamond Abrasive Pads. This is to ensure that any abrasive that may have come loose during the previous step is removed from the floor and does not remain to cause scratching during the next step.

**NOTE:** Failure to remove slurry between steps can also cause excessive wear of products used in the following steps.

7. Wet floor and scrub with 3M™ Trizact™ Diamond Abrasive TZ Blue Pad, fine grade, and complete a minimum of 6 passes. After six passes use the floor squeegee to move away the slurry and ensure that the floor has a consistent appearance (scratches and pitting have been removed). If floor does not have a consistent appearance, complete another six passes.

**NOTE:** Properly diluted 3M™ Neutral Cleaner Concentrate may be used instead of water to reduce friction if needed.

8. Wet vacuum and dust mop to remove all slurry and dust.
9. Wet floor and scrub (low speed) with Scotch-Brite™ Purple Diamond Floor Pad Plus using a minimum of six passes. Wet vacuum and dust mop before moving to the application procedure.

**NOTE:** If desired, step 9 can be alternatively done by burnishing the floor with a Scotch-Brite™ Purple Diamond Floor Pad Plus using a minimum of 6 passes. No water should be used during this process.

10. **ONLY IF BURNISHING WAS DONE ON STEP 9:** Clean expansion joints (terrazzo) using properly diluted 3M™ Neutral Cleaner Concentrate and 3M™ Red Buffer Pad 5100 with swing machine to eliminate metal dust.

### Dyed Concrete Floor Preparation

1. Strip all old finish from floor (follow finish manufacturer's recommended procedure).
2. If the floor is uncoated, clean thoroughly using the appropriate cleaning pad and thoroughly rinse floor with water.
3. Allow floor to dry thoroughly.

4. Wet bare floor and scrub (low speed) with the Scotch-Brite™ Sienna Diamond Floor Pad Plus. Wet vacuum and dust mop to remove all slurry and dust.
5. Wet bare floor and scrub (low speed) with the Scotch-Brite™ Purple Diamond Floor Pad Plus. Wet vacuum and dust mop to remove all slurry and dust.

### Application Procedure

1. Dust floor with 3M™ Easy Trap™ Sweep and Dust Sheets to ensure all dust, hair, grit, and debris has been removed.
2. Apply a pool of Scotchgard™ Stone Floor Protector to the floor and saturate 3M™ Easy Shine Applicator head. When applicator has been saturated, wipe area clear of product and note the color of the flooring where the pool was laid. The darkness of this area is the same darkness the rest of the floor should turn during application of the first coat.
3. Apply a thin even coating of product to floor. Make sure that all drips or heavy areas are addressed while applying. Proper coating thickness should NOT have any milky appearance to it. Coating method tip: Treat the application like you are applying product and then trying to wipe it off.
4. When coating is complete allow time to fully dry. A more porous floor will result in longer time for the coating to fully dry. It must be dry to the touch before it is walked on or further processed. Wait a minimum of 15 minutes **after** floor is dry to the touch before moving to next step.
5. Burnish for a minimum of 6 passes using a Scotch-Brite™ Purple Diamond Floor Pad Plus.

**NOTE:** A pass is once over a tile, so down and back on the same line would be twice over a tile and count as two passes. Burnishing should be performed at a forward speed of 1ft/sec.

6. Dust with 3M™ Easy Trap™ Sweep & Dust Sheets to remove dust and pad debris.
7. Apply another (second) thin even coating of product to floor following the same process used in steps 3-4.
8. Allow coating to dry and burnish for a minimum of 6 passes using a Scotch-Brite™ Purple Diamond Floor Pad Plus.
9. Dust with 3M™ Easy Trap™ Duster to remove dust and pad debris.

### IMPORTANT NOTE

- Avoid standing water on the finished floor for 36 hours after application.
- Coverage is typically 3000-4000 sq. ft./gallon.
- Always test in an inconspicuous area to verify appropriate application.
- Fresh or newly poured concrete should be allowed to cure for 30 days prior to use of 3M™ Trizact™ Diamond Abrasive Pads or Scotchgard™ Stone Floor Protector.

## Cleaning

1. Dust mop with 3M™ Doodleduster™ Cloth or 3M™ Easy Trap™ Sweep and Dust Sheets.
2. Damp mop using properly diluted 3M™ Neutral Cleaner Concentrate and a flat mop or string mop. If available, auto scrub as necessary using properly diluted 3M™ Neutral Cleaner Concentrate and the Scotch-Brite™ Clean & Shine Pad or 3M™ Red Buffer Pad 5100 on an auto scrubbing machine.
3. For cleaning combined with light polishing the Scotch-Brite™ Clean & Shine Pad should be used on an autoscrubber.

### Tips for cleaning

- To ensure proper slip resistance, flooring should be cleaned regularly to keep dust, sand, oils, and other contaminants off the surface.
- **Do NOT** use acidic cleaners, cleaners that contain citrus (d-limonene), 2-butoxyethanol (butyl cellusolve), amine based cleaners, bleach, isopropyl alcohol, solvent based cleaners, degreasers, or non-neutral cleaners.
- **Do NOT** use spray buff products or chemical dust mop treatments.

## Burnishing

1. Flooring should be periodically burnished using a Scotch-Brite™ Purple Diamond Floor Pad Plus to maintain gloss.

**NOTE:** The use of the Scotch-Brite™ Clean & Shine Pad should reduce or eliminate the need to burnish. If not used, a suggested burnishing schedules is:

- a. High traffic areas: 1 to 2 times per week.
  - b. Medium traffic areas: 3 to 4 times per month.
  - c. Low traffic areas: 1 to 2 times per month.
2. When traffic lanes are no longer returned to gloss by burnishing, wet scrub (low speed) with a Scotch-Brite™ Purple Diamond Floor Pad Plus an additional application of Scotchgard™ Stone Floor Protector should be applied.

## Black Mark Removal

**NOTE:** The use of the Scotch-Brite™ Clean & Shine Pad can noticeably reduce appearance of black marks.

1. Auto scrub with Scotch-Brite™ Purple Diamond Floor Pad Plus and water or neutral cleaner.
2. Always burnish the affected area with Scotch-Brite™ Purple Diamond Floor Pad Plus to restore gloss.

## Recoating

Scotchgard™ Stone Floor Protector will wear down over time due to floor traffic. High traffic areas should be recoated at least once every 6 months. Light to moderate traffic areas should be recoated at least once per year.

1. Scrub using Scotch-Brite™ Purple Diamond Floor Pad and a minimum of 2 passes to ensure floor is clean and mark free. Use additional passes to remove marks if required.
2. Dust mop floor with 3M™ Easy Trap™ Sweep and Dust Sheets to ensure all dust, hair, grit, and debris has been removed.
3. Apply a thin even coating of Scotchgard™ Stone Floor Protector to floor. Make sure that all drips or heavy areas are addressed while applying. Proper coating thickness should **NOT** have any milky appearance to it. Coating method tip: Treat the application like you are applying product and then trying to wipe it off.
4. Allow coating to dry. Wait a minimum of 15 minutes after floor is dry to the touch and burnish for a minimum of 6 passes using a Scotch-Brite™ Purple Diamond Floor Pad Plus.

## Removal of Scotchgard™ Stone Floor Protector:

1. Scotchgard™ Stone Floor Protector may be removed using 3M™ Trizact™ Diamond Abrasive TZ Blue Pad.

**NOTE:** Refer to product Safety Data Sheet for specific physical properties, health hazard, first aid and precautionary information. Improper use of product may increase risk of health effects.

Scotchgard™ Stone Floor Protector: 328-4142-7

## Health and Safety

### CAUTION

When handling any chemical products, read the manufacturers' container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information. To obtain SDS sheets for 3M products go to [3M.com/SDS](https://www.3m.com/SDS), or by mail or in case of an emergency, call 1-888-364-3577 or 1-651-737-6501.

When using any equipment, always follow the manufacturers' instructions for safe operation.

## Technical Information

Technical information and data, recommendations, and other statements provided by 3M are based on information, tests, or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed. Such technical information and data are intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. The typical values shown should not be used for the purpose of specification limits. If you have questions about this Product, contact the **Customer Service Department at 1-800-626-8578**.

## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

## Warranty

3M warrants that each 3M product will be free from defects in material and manufacture for 90 days from the date of purchase from 3M's authorized distributor. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

### Limited Remedy

If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

### No Extension of Warranty

In the case of an approved warranty claim, the replacement Product will carry only the remaining term of the original warranty period.

### Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.