

Technical Bulletin

3M™ Resilient Floor Protection System

Description

The 3M™ Resilient Floor Protection System is a high performance protective floor coating and maintenance program for vinyl tile and vinyl sheet flooring that utilizes multiple polymer technologies to produce a hard surface that is resistant to scratches, stains, and scuff marks.

Special Features

- Glossy, hard surface is resistant to soiling
- Suitable for multiple substrates: VCT, vinyl tile, luxury vinyl tile, linoleum, and asphalt tile floors
- No stripping required
- Spot Repairable
- Scotchgard™ Resilient Floor Protector is compatible with conventional floor finish and may be used as a top coat
- Scotchgard™ Resilient Floor Protector is not intended for use on asbestos containing flooring materials. Ensure that the flooring you are working on does not contain asbestos.

Applications

- Education
- Health Care
- Retail
- Office

General Use Directions

Refer to MSDS for personal protective equipment (PPE) recommendations.

Recommended Installation

Tools/Equipment:

1. Autoscrubber or mop and bucket
2. High speed burnisher
3. Scotch-Brite™ Purple Diamond Floor Pad Plus
4. 3M™ Easy Shine Applicator
5. Scotchgard™ Floor Protector Applicator Pad, Blue
6. 3M™ Easy Trap Duster
7. Scotchgard™ Resilient Floor Protector
8. Applicable PPE

VCT Floor Preparation:

1. For best results it is recommended that the floor be fully stripped prior to installation of the 3M™ Resilient Floor Protection System.
2. If the floor has finish applied to it, strip the floor using 3M™ Speed Stripper Concentrate 6H or 3M™ Floor Stripper LO Concentrate 22H and 3M™ High Productivity Pad 7300 or 3M™ Black Stripper Pad 7200. This includes any factory finish present on new floors. Be careful to remove all floor finish as any remaining finish has potential to be visible after applying Scotchgard™ Resilient Floor Protector.
3. If stains are present they should be thoroughly cleaned or tiles replaced. Any staining or other damage to flooring cannot be removed or hidden by Scotchgard™ Resilient Floor Protector.
4. Always rinse the floor after stripping. Rinse until a hand run over dry floor does not have any white residue on it. Failure to properly rinse a floor

can cause adhesion failure, discoloration, hazing, or other failure of Scotchgard™ Resilient Floor Protector.

5. For best results burnish entire flooring area using a Scotch-Brite™ Purple Diamond Floor Pad Plus using two passes. **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.**
6. Dust floor with 3M™ Easy Trap Duster to ensure all dust, hair, grit, and debris has been removed.

Sheet Vinyl & Rubber Floor Preparation

1. For best results it is recommended that the floor be fully stripped prior to installation of the 3M™ Resilient Floor Protection System.
2. If the floor has finish applied to it, strip the floor using 3M™ Speed Stripper Concentrate 6H or 3M™ Floor Stripper LO Concentrate 22H. This includes any factory finish applied to new floors. Be careful to remove all floor finish as any remaining finish has potential to be visible after applying Scotchgard™ Resilient Floor Protector. **DO NOT use a 3M™ High Productivity Pad 7300 or 3M™ Black Stripper Pad 7200 pad when stripping rubber or sheet vinyl floors as scratching or other damage may occur. Use only non abrasive pads or those recommended by the flooring manufacturer.**
3. If stains are present they should be thoroughly cleaned



or flooring replaced. Any staining or other damage to flooring cannot be removed or hidden by Scotchgard™ Resilient Floor Protector.

4. Always rinse the floor after stripping. Rinse until a hand run over dry floor does not have any white residue on it. Failure to properly rinse a floor can cause adhesion failure, discoloration, hazing, or other failure of Scotchgard™ Resilient Floor Protector.

Application Procedure

1. Wet and tightly wring out the applicator pad and apply to 3M™ Easy Shine Applicator.
2. Apply an even coating of product to floor. **Ideal coverage rate is 2000 sf/gal.**
3. When coating is complete allow time to fully dry. The more porous the flooring, the longer it will take for product that is soaked into the floor to fully dry.
4. Wait a minimum of 15 minutes after floor is dry to the touch to move on to next step.
5. Apply a second coat of Scotchgard™ Resilient Floor Protector.
6. Allow coating to dry before opening to traffic.

Note:

In high traffic areas such as entryways or areas with very porous or damaged tile an additional coat may be added to increase protection.

Ongoing Maintenance:

1. Dust mop with 3M™ Doodleduster or 3M™ Easy Trap Duster.
2. Damp mop or auto scrub daily using a 3M™ 3H Neutral Cleaner and 3M™ Red Buffer Pad 5100. For best appearance an auto scrub procedure is recommended.

NOTE: If disinfection is required 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23H may be used.

3. For heavy soiling areas the 3M™ TopLine Autoscrubber Pad 5000 may be used.
4. Flooring should be periodically burnished to maintain gloss using a 3M™ TopLine Speed Burnish Pad 3200. If a 3M™ TopLine Speed Burnish Pad 3200 is not available a 3M™ Tan Burnish Pad 3400 may be used. *(typically 1-2 times per month for low traffic areas, 4-5 times per month for mid level traffic areas, and 3-4 times per week for high traffic areas)*
5. For optimal results, flooring that has been subjected to cart traffic may be periodically burnished with a Scotch-Brite™ Purple Diamond Floor Pad Plus followed by a 3M™ Sky Blue Hi-Performance Burnish Pad 3050.

Note:

Do not use any products containing 2-butoxyethanol (butyl), amines, solvents, citrus (d-limonene) or high or low PH cleaners as this will damage the coating surface.

Restoration:

If traffic lanes no longer respond to burnishing or if marking, discoloration, or excessive soiling is observed, Scotchgard™ Resilient Floor Protector may be restored using a scrub and recoat process. *(typically 1-2 times per year for low traffic areas, 2-3 times per year for mid level traffic areas, and 3+ times per year for high traffic areas)*

1. Scrub entire floor using 1-2 passes of a low speed floor machine or autoscrubber and a Scotch-Brite™ Surface Preparation Pad or 3M™ Blue Cleaner Pad 5300. Be sure

flooring is clean and free of marks prior to moving to next step.

2. Optionally, burnish using a 3M™ TopLine Speed Burnish Pad 3200. If a 3M™ TopLine Speed Burnish Pad 3200 is not available a 3M™ Tan Burnish Pad 3400 may be used.
3. Apply a single coat of Scotchgard™ Resilient Floor Protector.
4. Allow coating to dry before opening to traffic.

Repair:

Scotchgard™ Resilient Floor Protector is repairable. Use repair process only for severely damaged areas. **NOTE: It is best to do a repair area along seams in the tiles (i.e. avoid doing partial tiles).**

For complete, detailed repair instructions please reference the “Repair Method for 3M™ Resilient Floor Protection System”

1. Tape off the outside of the damaged area using 3M™ 471 Vinyl Tape and use 3M™ TroubleShooter™ Baseboard Stripper and a 3M™ Doodlebug™ Brown Scrub ‘n Strip Pad 8541 to remove the coating.
2. Thoroughly rinse the floor and allow to dry. **NOTE: It is best practice to double rinse and allow water to dwell for 2 minutes each time prior to removal.**
3. Apply Scotchgard™ Resilient Floor Protector to the affected area using 2 milliliters per square foot of repair area.
4. Apply a second coat of Scotchgard™ Resilient Floor Protector (2ml/sf) and allow to dry.
5. Remove tape. The repair is now complete.



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