

Commercial Solutions Division

3M™ Scotchgard™ Surface Protection Film 2200

Product Bulletin / Instruction Bulletin

Product Description 3M™ Scotchgard™ Surface Protection Film 2200 is a transparent film that is used to provide protection to surfaces and floors.

Product Line	Surface Protection	304.8 mm x 304.8 mm (12" x 12"), transparent 609.6 mm x 609.6 mm (24" x 24"), transparent 914.4 mm x 914.4 mm (36" x 36"), transparent
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Product Characteristics These are indicative values for unprocessed products. Contact your 3M representative for a custom specification.

Physical & Application	Material	vinyl
	Thickness	200 µm (0.2 mm)
	Surface finish	matte, structured
	Application method	wet or dry
	Application temperature <small>(minimum air and substrate)</small>	+10°C - +38°C
	Surface type	flat and corrugated applications
	Substrate type	waxed vinyl, sealed concrete, marble, ceramic tile, terrazzo
	Film Removal	removable without heat and/or chemicals from supported substrates.

The values above are the results of illustrative lab test measurements and shall not be considered as a commitment from 3M.

Slip Resistance	DIN 51130: R9
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Storage	Shelf Life	Use within two years from the date of manufacture on the sealed original box. Use within one year after opening the box.
	Storage Conditions	+10°C to +38°C, out of sunlight, original container in clean and dry area.

The shelf life as defined above remains an indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as warranty.

Flammability Flammability standards are different from country to country. Ask your local 3M contact for details please.

Durability The durabilities mentioned are the results of illustrative lab tests. The values show the best performance expected from these products, provided that the clear will be processed and applied professionally according to 3M's recommendations.

The durability statements do not constitute warranties of quality, life and characteristics.

The durability of products is also influenced by:

- environmental factors
- selection, condition and preparation of the substrate
- surface texture
- application procedures
- the method and the frequency of cleaning

Exposure types	Interior	Interior means an application inside a building without direct exposure to sunlight.
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Interior application	12 months
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Limitations of End Uses 3M specifically does not recommend or warrant the following uses, but please contact us to discuss your needs to recommend other products.

Film applied to	<ul style="list-style-type: none"> • other substrates than waxed vinyl, sealed concrete, marble, ceramic tile, terrazzo • loose or uneven tile • direct food contact surfaces
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Important Notice	<p>Soap and/or detergent solution on film surface will reduce slip resistance/traction.</p> <p>Film is not recommended for direct food contact surfaces.</p>
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Application Follow these instructions for proper application and service life.

1. The surfaces must be secure and in good condition. Avoid installing Scotchgard™ Surface Protection Film 2200 over loose tile and/or uneven tile.
2. Properly clean the surface before applying the film.
3. Film can be applied to the following floor surfaces:
 - waxed vinyl
 - sealed concrete
 - marble
 - ceramic tile
 - terrazzo
4. When applying film over grouted areas, do not press the film into the grouted lines and do not begin or end the film installation on a grouted line.

Important Notice When applying the film over grouted lines, dirt can be trapped underneath the film.

5. Do not apply film over surfaces with constant water or where water is known to pool.

Install film using the dry or wet application methods. The dry application method does not use any liquid solution for applying the film to a surface. The wet application method uses a detergent and water solution for applying the film to a surface, allowing the film to be re-positioned during application before the film has been set.

Dry Method Application

- Tools**
- 70% Isopropyl Alcohol Solution (IPA)
 - Paper towels
 - 3M™ Blue Squeegee PA-1-B or 3M™ Gold Squeegee PA-1-G

- Installation**
1. Locate the surface area where Scotchgard™ Surface Protection Film 2200 is to be applied.
 2. Before film application, clean the surface by using a dampened paper towel with 70% IPA. Clean the surface area by starting at the center and wiping to the outer edge (Figure 1).



Figure 1

3. The liner of larger pieces of film (e.g. 122 cm x 122cm, 61 cm x 61 cm) are pre-cut (Figure 2). For 30.5 cm x 30.5 cm film size, peel back the liner and apply film on the desired area, then skip to step 7.

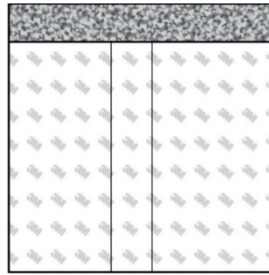


Figure 2

4. Peel back approximately 50 mm of the liner (Figure 3).

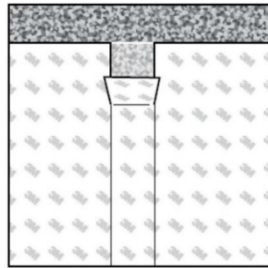


Figure 3

5. Place film (with the exposed adhesive facing down) on the desired area (Figure 4).

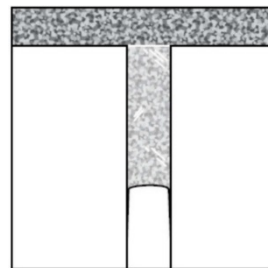


Figure 4

6. Once placed on the desired area, press down on the film surface to apply the adhesive to the surface, then remove and discard the 50 mm strip of pre-cut liner (Figure 5).

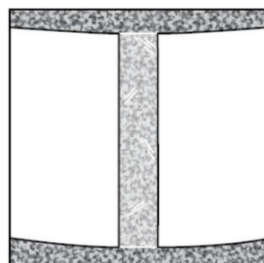


Figure 5

7. Use the 3M™ Blue Squeegee PA-1-B or 3M™ Gold Squeegee PA-1-G to apply pressure to the 50 mm exposed film adhesive in both directions from the center out (Figure 6). This sets the film in place.

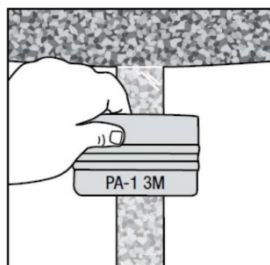


Figure 6

8. Fold over either side of the unapplied film and peel back the liner approximately 30 cm, allowing the liner to keep the adhesive off the floor (Figure 7).

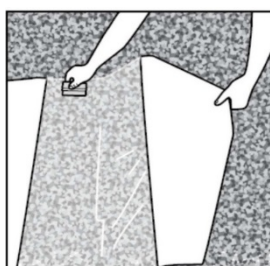


Figure 7

9. From the center out in both directions, apply film with the 3M™ Blue Squeegee PA-1-B or 3M™ Gold Squeegee PA-1-G using firm pressure and overlapping strokes. Remove another 30 cm of liner and repeat until film is completely applied. Repeat for the other half.

Wet Method Application

- Tools**
- 70% Isopropyl Alcohol Solution (IPA)
 - Paper towels, Spray Bottle, Water
 - 3M™ Blue Squeegee PA-1-B or 3M™ Gold Squeegee PA-1-G
 - Detergent

Installation A wet method application installation allows the Scotchgard™ Surface Protection Film 2200 to be re-positioned during application before the film has been set.

Preparing Detergent/Water Solution Prepare a solution of 1/3 teaspoon (2 ml) of detergent, containing no lotions, soaps, oils, waxes or enzymes, for each 1 liter of clean, cool water. After mixing the solution, pour it into a spray bottle.

1. Locate the surface area where film is to be applied.

2. Before film application, clean the surface by using a dampened paper towel with 70% IPA. Clean the surface area by starting at the center and wiping to the outer edge (Figure 1).



Figure 1

3. After cleaning, spray the surface with the detergent-water solution (Figure 2).



Figure 2

4. Turn the film over so that the printed liner is facing up and the film is down.
5. While removing the entire liner, spray the exposed adhesive with the detergent-water solution. Once the liner has been completely removed, the entire exposed adhesive surface should be wet (Figure 3).

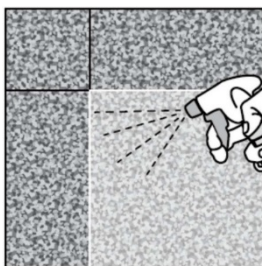


Figure 3

6. Place film (with the exposed adhesive facing down) on the desired wetted surface and position the film (Figure 4).

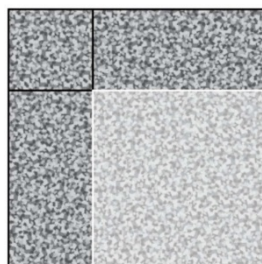


Figure 4

7. From the center out in both directions, apply film with the 3M™ Blue Squeegee PA-1-B or 3M™ Gold Squeegee PA-1-G using light pressure and overlapping strokes (Figure 5).

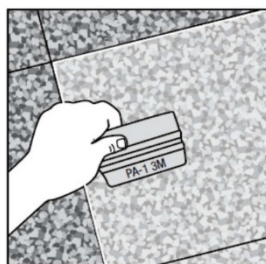


Figure 5

8. Remove any detergent-water solution from the surface and surrounding areas of film with a paper towel and then perform step 7 using firm pressure and overlapping strokes.
9. Wipe dry the entire surface.

Maintenance and Cleaning

- To maintain product effectiveness, the application should be inspected periodically to ensure serviceability.
- Keep Scotchgard™ Surface Protection Film 2200 surface free of soap and/or detergent solution.
- Replace film when the film edges are dirty and/or no longer remain set.
- Ensure that film is kept free of dirt and other residue that might impair functionality.
- Use a cleaner designed for high-quality painted surfaces. Use appropriate cleaner as a general maintenance liquid to keep material and surrounding surfaces dirt free. The cleaner must be wet, non-abrasive, without strong solvents, and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline).
- To remove and replace worn or torn material:
- Remove the film by lifting one edge with a putty knife or equivalent and pulling it off at an approximately 135-degree angle with smooth, even tension. The floor wax under the film may also be removed in this process; therefore, the area may have to be rewaxed.

Important Notice Soap and/or detergent solution on film surface will reduce slip resistance/traction.

Remarks This bulletin provides technical information only.

Important Notice All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

Before using, the user must determine the suitability of the product for its required or intended use, and the user assumes all risk and liability whatsoever in connection therewith.

Natural aging can cause a gradual change in gloss, slight color changes, some lifting of the film at the edges, and ultimately a minor amount of cracking.

These changes are not evidence of product failure and are not covered by a 3M warranty.

Additional Information Visit the web site of your local subsidiary at www.3mgraphics.com for getting:

- more details about 3M™ MCS™ Warranty and 3M™ Performance Guarantee
- additional instruction bulletins
- a complete product overview about materials 3M is offering.

Responsible for this technical product bulletin

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