



3M™ Scotchcal™ 5525 SE-314 Haze

3M™ Scotchcal™ 5525 SE-324 Sandblast

Description

3M™ Scotchcal™ 5525 SE-314 Film Series and
3M™ Scotchcal™ 5525 SE-324 Film Series

- are translucent calandered vinyl films
- are medium term durability films
- are for use in creating window graphics and internally illuminated displays on flat, clear surfaces
- have a clear, permanent acrylic based adhesive

3M™ Scotchcal™ 5525 SE-314 Haze film has a uniform appearance of etched glass

3M™ Scotchcal™ 5525 SE-324 Sandblast film has a uniform appearance of sandblasted glass

Limitations of End Uses

The following uses and applications are specifically NOT warranted.

- Screen printing on Sandblast and Haze films
- Application of Haze and/or Sandblast film between two sheets of glass
- Application to corrugated surfaces
- Exposure to petroleum products or solvents
- 3M Commercial Graphics Division products are not tested against automotive manufacturer's specifications and are, therefore, not warranted for use in fabricating graphics for automotive Original Equipment Manufacturers (OEM).

Product Data

These values are typical and are not intended for use in specifications. You may submit a request for a custom specification to your 3M sales representative.

Physical Property	Metric Units
Dimensional stability (FTM 14) SC™ 5525 SE-314 and -324	< 0.4 mm
Temperature range after application (both)	-40 to +80°C
Tensile strength, minimum (DIN EN ISO 527) SC™ 5525 SE-314 Haze	md > 17 N/mm ² cd > 15 N/mm ²
SC™ 5525 SE-324 Sandblast	md > 15 N/mm ² cd > 12 N/mm ²
Thickness of films (ISO 4593) SC™ 5525 SE-314 Haze	0.075 ± 0.005 mm
SC™ 5525 SE-324 Sandblast	0.080 ± 0.005 mm

Chemical Resistance

- Resist mild detergents.
- Excellent water resistance.

Adhesion (FTM1)

Substrate	Metric Units N/25 mm
Glass (24 hrs) SC™ 5525 SE-314 Haze	> 12 N/Inch
SC™ 5525 SE-324 Sandblast	> 12 N/Inch

FTM (Finat Test Method) refers to test methods listed by FINAT, the Association of European Tape Manufacturers.

Characteristics

Property	Description
Adhesive SC™ 5525 SE-314 SC™ 5525 SE-324	Permanent pressure sensitive
Adhesive color (both)	Clear
Liner SC™ 5525 SE-314 SC™ 5525 SE-324	Kraft Paper / 120 g/m ² Kraft Paper / 120 g/m ²
Application substrate	Glass, PMMA, PC
Minimum application temperature (air, film, substrate)	> +10 °C

Note: The ISO number refers to standards of the International Standards Organization.

Translucency values

Property	Description
Spectral Tau value SC™ 5525 SE-314 SC™ 5525 SE-324	0,87 0,69
Tau value at 550 nm SC™ 5525 SE-314 SC™ 5525 SE-324	0,88 0,71

Effective Performance Life

The effective performance life for 3M™ Scotchcal™ 5525 SE-314 Haze film and 3M™ Scotchcal™ 5525 SE-324 Sandblast film is based on field experience and exposure tests conducted throughout Europe. When the graphics are processed and used according to 3M recommendations, they should have the performance life shown in the charts below. The actual performance depends on the:

- Selection and preparation of the substrate
- Application methods
- Exposure conditions
- Cleaning methods
- Vertical Exposure

Zone 1: Northern and Central Europe

Zone 2: Mediterranean Europe

Zone 3: Northern Africa and Middle East

SC™ 5525 SE- 314 and SC™ 5525 SE- 324			
3M™ MCS™ Warranty	Zone 1	Zone 2	Zone 3
Exterior	3 years	2 years	1 year
Inside of outside window	4 years	3 years	2 years
Interior (no direct UV light)	5 years	5 years	5 years

Shelf Life, Storage and Shipping

Follow these guidelines to store and ship these films and the processed graphics.

- The shelf life of the films cannot exceed two years from the date of receipt from 3M.
- Store the films in a clean, dry area, out of direct sunlight, and at less than 38°C.
- Ship the finished graphic lying flat or in a roll. To roll the graphic, wrap it film-side out onto a core that is 15 cm or larger in diameter. These methods help prevent the film and premask from wrinkling or popping off the liner.

Premasking and Prespacing

The 3M Premasking or Prespacing Tape you use depends on the type of graphic produced. For graphics that have large amounts of exposed liner, use a prespacing application tape. If there is very little exposed liner, use a premasking application tape.

Prespacing Tape	Premasking Tape
SCPS-100	SCPM-19
Intermediate Application Tape	
IAT ecg	

Removal

3M™ Scotchcal™ 5525 SE-314 Haze film and the 3M™ Scotchcal™ 5525 SE-324 Sandblast film are warranted to be removable with no adhesive residue using no or little heat for the removal process.

Important Notice

This bulletin provides technical information only.

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.

Health & Safety

Refer to the package label and the Material Safety Data Sheet for health, safety, and handling information on the products referenced in this bulletin. For 3M products, if necessary, you may contact our Toxicology/Product Responsibility Department.

3M Related Literature

- Surface Preparation and Application Instructions (5.1, 5.5, 5.7)
- Design of Graphics (2.1)
- Cleaning, Maintenance and Removal (6.5)

For Further Assistance

For help on specific questions relating to 3M Commercial Graphics products, please contact your local 3M Technical Service person or contact:

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The use of trademark signs and brand names in this bulletin is based upon US standards. These standards may vary from country to country outside the USA.

Bulletin change summary: Add the translucency factors for SC™ 5525SE-314 and SC™5525SE-324