



Scotchcal™

Electrostatic Film 8662-10 (ES)

Description

Advantages

- Opaque vinyl film for electrostatic imaging
- Excellent hiding power
- Use on unsealed, exterior, pedestrian traffic surfaces
- Easily removable; leaves little or no adhesive residue
- For MCS™ warranted short term exterior graphics

Product Line

8662-10 white

Characteristics

This information is subject to change. These values are typical for unprinted Film and are not intended for use in specifications. Be sure this is the most current Product Bulletin. See **3M Related Literature** at the end of this bulletin.

Property	Description
Film	2 mil, opaque white vinyl
Thickness (Film and adhesive)	0.15 mm to 0.17 mm
Adhesive type and color	Pressure sensitive, clear
Liner	94 pound, premium performance
Application surfaces	Unsealed, exterior pedestrian traffic
Application substrates	asphalt, concrete, paving bricks
Minimum application temperature (air and substrate)	+10° to +32°C
Removal	Removable without heat
Service temperature range	-10°C - +68°C
Tensile strength (min)	2.3 kg/cm at 23°C
Applied shrinkage	0.8 mm max.
Shelf life	2 years after receipt from 3M

	(dry conditions, Temp. < 38°C)
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Note: Some exterior surfaces are highly dimensional and the film's adhesive may not have enough contact area to adhere properly to the surface. Contact your local 3M Commercial Graphics Technical Service person if you have a question about the suitability of any surface.

Effective Performance Life

When 3M™ Scotchcal™ Overlamine Film 8947 (ES) is applied to 3M™ Scotchcal™ Electrostatic Film 8662-10 (ES) in accordance with 3M recommended procedures by a Scotchprint® Graphics Authorized Manufacturer to make Scotchprint® Graphics for Pavements, a warranty founded on 3M™ MCS™ will be given by 3M. The performance is based upon foot traffic experience in the field. Graphics may be damaged by frequent vehicular traffic or heavy equipment such as snowplows and snow shovels; minor edge chipping is unavoidable. These types of damage are not covered by 3M's warranty. Performance depends upon the condition and preparation of *unsealed, exterior, pedestrian traffic* before application, the exposure conditions, and the maintenance of the graphics.

Warranted Durability

Please refer to the European MCS™ Product Warranty Chart for details. The Product Warranty Chart is available on request from your local 3M contact.

We recommend cutting radiuses on any sharp corners after lamination. This helps to prevent premature lifting of the graphic after application.

Limitations of End Uses

Specifically, we do not warrant this film for the following:

- Exposure to vehicle traffic (except in completely dry conditions for light, slow moving traffic such as on parade routes), snowplows, snow shovels, heavy equipment traffic
- Graphics subjected to gasoline vapours or spills

Protective Overlaminat

Protective overlaminat 8947 (ES) must be applied to film 8662-10 (ES) to make a warranted Scotchprint[®] Graphic for Pavements. Refer to Product Bulletin 8947 for further details.

Application Tape

Use of an application tape is not required nor recommended.

Removal

This product is removable without heat or chemicals within the warranted period.

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.

3M Related Literature

3M offers for all products detailed technical literature. Additionally, comprehensive instruction bulletins are available describing in detail the best usage of our products.

Ask your local 3M contact or refer to local Commercial Graphics internet pages to get the most current product and/or instruction bulletins.

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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