



Scotchcal™ Luster Overlamine 8908 and Matte Overlamine 8909

A good choice for the environment!

Product Description

These overlaminates are a good choice for many short-term digitally-imaged or screen printed graphics used indoors or outdoors with the exceptions noted below. Refer to the Product Bulletin for the base film you are using to determine suitability.

3M's Environmental Solutions

3M recognizes that sustainability involves much more than a product offering. You can learn about 3M's ISO certification, EHS Management system, 3P program, LCM review and other sustainability programs at www.3m.com/sustainability. These programs exemplify how 3M strives to responsibly operate in a manner that can help make the world we live in a better place. That is why the Dow Jones Sustainability Index has included 3M in the index for 9 consecutive years.

3M is also taking steps at the product level by offering new alternatives such as 3M™ Scotchcal™ Graphic Film IJ35E and overlaminates 8908 and 8909, which are polyolefin films and have no monomeric plasticizers or polyvinyl chloride in their constructions and are made with less solvent in manufacturing when compared to traditional solvent based adhesive products. Chloride free constructions such as these eliminate halogen related disposal concerns. When printed with UV ink, VOC emissions associated with solvent inks are dramatically reduced, resulting in a graphic construction that has less impact on the environment.

Limitations

This product is not recommended for use with flexible substrates, vinyl film used in fleet, truck or vehicle graphics, reflective film, or graphics applied to walls, corrugations or graphics exposed to petroleum vapors or spills. Premasked graphics cannot be subjected to heat.

Characteristics

These are typical values for unprocessed product; processing may change the values. Contact your 3M representative for a custom specification.

Physical Characteristics

Characteristic	Value
Material	Polyolefin
Color	Clear
Gloss	8908: Luster 8909: Matte
Thickness	Without adhesive: 2.5 mil (0.064 mm) With adhesive: 3.0 mil (0.076 mm) <i>nominal</i>
Adhesive type	Pressure sensitive
Adhesive color	Clear
Liner	Kraft paper liner
Flammability	Check the Product Bulletin for the base film/media you are using. If more information is needed, please contact us at 1-800-328-3908.
Tensile strength	5 pounds/inch at 73°F (89 cm/kg at 23°C) <i>minimum</i>
Applied shrinkage	0.0001 inch (0.0025 mm)
In use temperature range	-40° to +150°F (-40° to +66°C)

Application Characteristics

Characteristic	Value
Application tape	3M™ Premasking Tape SCPM-3, when needed.
Application substrates	Approved 3M graphic films
Application topography	Flat, with or without rivets
Lamination temperature range	50° to 90°F (10° to 32°C) <i>air, overlamine and film</i>
Removability	Permanent, not removable

Warranty and Durability

For complete details on recommended applications, graphic construction options, durability and warranty (if applicable), please refer to the base film's Product Bulletin. See the 3M Related Literature at the end of this document.

Lamination

Apply by the squeeze roll method, which uses no heat. Both heat and tension can cause the overlamine to curl. Observe the Lamination temperature range discussed on page 2. Refer to Instruction Bulletin 4.22 lamination procedures

Do not over stretch the film; excessive stretching causes the overlamine to appear white.

Cutting

The common cutting methods for films protected with this overlamine are hand cutting and cold and hot steel-rule die cutting. Use care not to stretch the graphic when cutting it. Refer to Instruction Bulletin 4.1 for more details.

Application Tape

Application tape is not required for most graphics with this overlamine. Refer to Instruction Bulletin 4.3 for more details.

Do not apply heat to the graphic until the premasking tape is removed. If the overlamine is heated while applying rivets, the overlamine will lose gloss. Excessive heat will cause the overlamine to curl.

Maintenance and Cleaning

Use a cleaner such as the kind used for high-quality painted surfaces. The cleaner must be wet, non-abrasive, without strong solvents or alcohol, and have a pH value between 3.0 and 11.0 (neither strongly acidic nor strongly alkaline).

Shelf Life, Storage and Shipping

Shelf Life

Total shelf life: 2 years from the date on the original box
Up to 2 years unprocessed, **OR** process within 1 year **and** apply within 1 year of processing

Storage Conditions

- 40° to 100°F (4° to 38°C)
- Out of sunlight
- Clean dry area
- Original container
- Bring the film to print room temperature before using

Shipping Finished Graphics

Flat, or rolled printed side out on 5 inch (13 cm) or larger core. This helps prevent the liner and, if used, the application tape from popping off.

Health and Safety



CAUTION

When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information. To obtain MSDS sheets for 3M products go to 3M.com/MSDS, or by mail or in case of an emergency, call 1-800-364-3577 or 1-651-737-6501.

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

3M Related Literature

Before starting any job, be sure you have the most current product and instruction bulletins.

The information in 3M Product and Instruction Bulletins is subject to change. Current Bulletins are available at 3Mgraphics.com. The techniques described in these Bulletins are required when applying a 3M warranted graphic, but are also practical recommendations when using promotional materials for non-warranted graphics. Additional Bulletins may be needed as indicated in the 3M Related Literature section of other 3M components you use.

Bulletin types: PB = Product Bulletin; PB-IB = Product & Instruction Bulletin; IB = Instruction Bulletin

Subject	Type	Bulletin No.
Films, Substrates, Overlaminates, Inks and Clears Please visit our website to identify and obtain the additional Product and Instruction Bulletins you need for a successful application.		
Cold roll lamination	IB	4.22
Storage, handling, maintenance, removal	IB	6.5
3M Graphics Market Center Warranty Brochure	go to www.3Mgraphics.com , Warranties	

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Bulletin Change Summary

This bulletin was updated to include both 8908 and 8909 overlaminates, and to add an environmental statement.



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