



Scotchcal™

Luster Overlamine 8519 and Matte Overlamine 8520

Description

3M™ Scotchcal™ Luster Overlamine 8519 and Matte Overlamine 8520 are 2-mil films that provide additional ultraviolet and durable physical protection for selected graphic constructions. The unique adhesive allows hot or cold temperature lamination.

Applications and End Uses

Overlaminates 8519 and 8520 are intended for the following types of graphics when made with the listed Compatible Products according to 3M's written instructions. Only these types of graphics or applications are warranted by the 3M™ MCS™ Warranty unless 3M gives its prior written approval for the application.

- Thermal ink jet graphics.
- Piezo ink jet graphics

Limitations of End Uses

We do not normally warrant other applications, but please contact us to discuss your needs or let us suggest other 3M products.

Specifically, we do not warrant this film when used on:

- Graphics made for automotive Original Equipment Manufacturers (OEM); contact 3M Automotive Division at 1-800-328-1684, Ext. 444, for alternatives.

Compatible Products

Thermal Ink Jet Films

- 3M™ Scotchcal™ Changeable Opaque Imaging Media 8522
- 3M™ Scotchcal™ Instant Dry Translucent Imaging Media 8544

Piezo Ink Jet Films

Overlaminates 8519 and 8520 can be used on most piezo ink jet printed graphic films. Refer to the base film's Product Bulletin for details.

Characteristics

Characteristic	Description
Color	Clear
Thickness	2 mil (0.05 mm) <i>without adhesive</i> 3-4 mil (0.08 to 0.10 mm) <i>with adhesive</i>
Adhesive	Pressure sensitive, clear
Liner	78 pound paper
Gloss	8519: Luster 8520: Matte
Roll sizes	These rolls are not splice free. 36" × 50 yards (92 cm × 45 m) 36" × 100 yards (92 cm × 90 m) 48.5" × 50 yards (123 cm × 45 m) 48.5" × 100 yards (123 cm × 90 m) 54" × 50 yards (137 cm × 45 m) 54" × 100 yards (137 cm × 90 m)

Effective Performance Life

Warranted Durability

The warranted durability is dependent on the entire graphic construction and how and where the graphic is used. Refer to the base film's Product Bulletin for complete details.

Fabrication

These overlaminates, which have a pressure sensitive adhesive, can be cold roll applied. Refer to the instructions provided by the manufacturer for your laminator and the 3M Related Literature section for further information.

Application Tape

The type of application tape to use depends on the type of graphic produced and the ink, overlamine or overprint clear that was applied last.

- To determine the appropriate application tape to use, refer to the Product Bulletin for the film you are using
- For instructions on how to use application tape, see Instruction Bulletin 4.3 for details.

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).

Note: Graphics damaged by improper cleaning are not covered by the 3M warranty.

Shelf Life, Storage, and Shipping

- Store the overlaminate in a clean, dry area, away from direct sunlight, and at an ambient temperature less than 86°F (30°C).
- Unprocessed film has a shelf life of two years after receipt from 3M. Processed film has a shelf life of one year. However, the total shelf life of a graphic before and after processing cannot exceed two years.

Health and Safety

 Caution
<p>When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information.</p> <p>To obtain MSDS sheets for 3M products:</p> <ul style="list-style-type: none"> • By fax, call 1-800-364-0768 in the US and Canada or 1-650-556-8417 for all other locations. • Electronically, visit us at http://www.3m.com/msds. • By mail, or in case of an emergency, call 1-800-364-3577 or 1-651-737-6501. <p>When using any equipment, always follow the manufacturers' instructions for safe operation.</p>

Product Data

Physical Properties

Property	Value
Tensile strength (minimum)	5 pounds/inch at 73_F (0.9 kg/cm at 23°C)
Dimensional stability	0.015 inch (0.4 mm)
Service temperature range	-65° to +225°F (-54° to +107°C)

Chemical Resistance

- Resists mild alkalis, mild acids and salt
- Excellent resistance to water
- Resists petroleum vapors

Warranty and Limited Remedy

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose: 3M™ Scotchcal™ Luster Overlaminate 8519 and 3M™ Scotchcal™ Matte Overlaminate 8520 is warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this Product Bulletin. 3M will replace or refund the price of any 3M materials that do not meet this warranty within the specified time periods. See the worldwide 3M™ MCST™ Warranty bulletin, which gives the terms and limitations of the warranty.

These remedies are exclusive. In no case shall 3M be liable for any direct, indirect, or consequential damages, including any labor or non-3M materials charges.

3M Related Literature

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

Listed below is related 3M technical literature that may be of interest. You may view and print these Bulletins from our Web site at www.scotchprint.com, or order them via our Fax-on-Demand (FOD) system. Call one of these phone numbers to order the desired bulletins, and specify the FOD document number provided in the chart.

United States or Canada: 1-800-364-0768

International: 1-651-732-6506

Subject	Bulletin No.	FOD No.
Product Bulletins		
Films Please visit our website or all our Fax on Demand system to identify and order the film bulletins you need.		
3M™ Changeable Opaque Imaging Media 8522	8522	4506
3M™ Scotchcal™ Instant Dry Translucent Imaging Media 8544	8544	4509
Instruction Bulletins		
Making thermal ink jet graphics (HP products)	4.23	6523
Cold roll lamination	4.22	6522
Storage, handling, maintenance, removal	6.5	8505

Bulletin Change Summary

Films 3657-10, 3637-20 and Papers 8580 and 8581 have been discontinued and references to them removed from this bulletin. The "CP" designation at the end of some thermal ink jet products is no longer used.

For the United Kingdom and Republic of Ireland

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 on 01344 858000.

Important Notice to Purchaser

The 3M products described in this publication are covered by a 3M warranty and limitation of liability.

3M's warranty provides that if 3M finds that goods are defective in material or workmanship they will be replaced or the price refunded at 3M's option but note that 3M does not accept liability for other direct losses (except for personal injury or death) or consequential losses relating to defective products or from information supplied by 3M.

Purchasers and users of 3M products, and not 3M supplying companies, are always solely responsible for deciding on the suitability of the 3M product for their required or intended use.

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Technical Assistance

For help on specific questions relating to 3M Commercial Graphics Division Products, contact your local Technical Service Representative.

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