



GRAPHICS MEDIA

PRODUCT DATA SHEET

Product Code: 8048G/8050M

Issued September 2017

3M™ Envision™ Overlaminates

Product Bulletin 8048G/8050M

Release B, Effective December 2016 (replaces A, Aug '16)

8048G Gloss Overlaminates
8050M Matte Overlaminates

Quick Links

- 3M Graphics Warranties
Technical Information Selector
Safety Data Sheets (SDS)
Flammability (ASTM E84 Reports)
Videos

Some of these links lead to web-based resources that are not product-specific.

Product Description

- Suitable for application surfaces that are flat or have simple curves
8048G - Gloss non-PVC
8050M - Matte non-PVC
Less prone to scratching
Superior UV protection
Expected performance life - 4 years (unwarranted period applied to a flat, vertical, outdoor surface)

Recommended Types of Graphics and End Uses

- Intermediate graphics
Transit
Labels
Signage
Smooth Walls
Windows and Glass

Characteristics

These are typical values for unprocessed product. Processing may change the values.

Performance Characteristics

Table with 2 columns: Characteristic, Value. Rows include Material (Non-PVC), Cast or non-Cast (N/A), Thickness (2 mils), Gloss (8048G: Gloss, 8050M: Matte), Liner (Kraft paper), Lamination Temperature (50 to 100 °F), In Use Temperature Range (-65 to +225 °F), Chemical Resistance (Resists mild alkalis, acids, salt, water, fuel spills), and Flammability (ASTM E84 reports, 3Mgraphics.com).

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## 3M™ Envision™ Overlaminates

### Warranty Information

All 3M graphic protection products are covered by the 3M Basic Product Warranty. A warranty period may be offered based on the graphic construction and application details. Always refer to the 3M Product Bulletin for the 3M base film or flexible substrate you are using to determine if the graphic protection product you want to use is recommended and what, if any warranty period is offered.

#### 3M Basic Product Warranty

3M Graphics Products are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in its applicable 3M Graphics Product Bulletin and as further set forth in the [3M Graphics Warranties Bulletin](#).

#### Limited Remedy

The limited remedy applicable to each warranty is addressed in the 3M Graphics Warranties Bulletin found at [3MGraphics.com/warranties](#).

#### Limitation of Liability

Except to the extent prohibited by law, 3M SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO PURCHASER OR USER FOR ANY DIRECT (EXCEPT FOR THE LIMITED REMEDY PROVIDED HEREIN), INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LABOR, NON-3M MATERIAL CHARGES, LOSS OF PROFITS, REVENUE, BUSINESS, OPPORTUNITY, OR GOODWILL) RESULTING FROM OR IN ANY WAY RELATED TO 3M'S GRAPHICS PRODUCTS, SERVICES, OR THIS BULLETIN. This limitation of liability applies regardless of the legal or equitable theory under which such losses or damages are sought.

#### Additional Limitations

See the 3M Graphics Warranties Bulletin at [3MGraphics.com/warranties](#), for terms, additional limitations of your warranty, if any, information on reduced warranties for different exposures, and limitations of liability.

### Health and Safety



When handling any chemical products, read the manufacturer's container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information. To obtain SDS sheets for 3M products go to [3M.com/SDS](#), 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 manufacturer's instructions for safe operation.

#### Air Quality Regulations

State Volatile Organic Compound (VOC) regulations may prohibit the use of certain chemicals with VOC's in graphic arts coatings and printing operations. For example, the California South Coast Air Quality Management District prohibits use of certain solvent-based solutions without a permit and other California AQMD's prohibit use of certain solutions without a permit or regulatory exemption. Check with your State environmental authorities to determine whether use of this solution may be restricted or prohibited.

## 3M™ Envision™ Overlamine

### Factors that Affect Graphic Performance Life

The actual performance life of a graphic is affected by:

- the combinations of graphics materials used.
- complete ink drying or curing.
- selection, condition and preparation of the substrate.
- surface texture.
- application methods.
- angle and direction of sun exposure.
- environmental conditions.
- cleaning or maintenance methods.

### Graphics Manufacturing

**CAUTION**

Before using any equipment, always read the manufacturer's instructions for safe operation.

#### Completely Dry Graphics

**IMPORTANT NOTE**

Incomplete drying or curing can result in graphic failure including curling, increased shrinkage and adhesion failure, which are not covered under any 3M Graphic Warranty.

See the ink's 3M Product and Instruction Bulletin for more details.

### Graphic Protection

Graphic protection may improve the appearance, performance and durability of the graphic. See the [3M Graphics Market Product Catalog](#), for more information.

### Application Tapes

There are two types of application tapes. See [3M Instruction Bulletin AT-1](#) to determine what application tape is recommended for your film or finished graphic.

#### Premasking Tape

Increases stiffness during application while preventing stretching and damage. Use when little or no liner is exposed. See [3M Instruction Bulletin 4.3](#) for complete details.

#### Prespacing Tape

Holds cut and weeded letters or graphics in place during application and after removing the film liner, while preventing stretching and damage. Use when large amounts of liner are exposed. See [3M Instruction Bulletin 4.3](#) for complete details.

### Application and Installation

In addition to other 3M Bulletins specified in this document, the following Bulletins provide details that you may need to successfully apply a graphic.

- [3M Instruction Bulletin 4.22](#) Lamination Basics for Inkjet Printed Graphics

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## Maintenance and Cleaning

Use a cleaner designed for high-quality painted surfaces. The cleaner must be wet, non-abrasive, without solvents, and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline). See [3M Instruction Bulletin 6.5](#) for details.

## Shelf Life, Storage and Shipping

### Shelf Life

The shelf life is **never more than 3 years** from the date of manufacture on the original box.

If you process the film, the shelf life is changed to **1 year** from the processing date, but not later than the 3 year maximum from the manufacturing date.

### Storage Conditions

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

### Shipping Finished Graphics

Flat, or rolled printed side out on 6 inch (15 cm) or larger core. This helps prevent the application tape, if used, from popping off.

## Health and Safety



### CAUTION

When handling any chemical products, read the manufacturer's container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information. To obtain SDS sheets for 3M products go to [3M.com/SDS](http://3M.com/SDS), 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 manufacturer's instructions for safe operation.

## 3M™ Envision™ Overlaminates

### LEED v4 Credits

This section describes some of the options for acquiring LEED credits using this product.

**NOTE:** Each application is different. It is the sole responsibility of the end user to evaluate and determine whether the LEED credits listed below are applicable.

#### ID+C MR Credit, Interiors Life-Cycle Impact Reduction

- Option 1: Interior Reuse - Product can be used to refinish salvaged, refurbished, or reused nonstructural materials.
- Option 2: Furniture Reuse - Product can be used to refinish salvaged, refurbished, or reused furniture and furnishings.

#### ID+C, BD+C EQ Credit, Low-Emitting Materials

- Product is GREENGUARD GOLD Certified, meaning it is in compliance with the General Emissions Evaluation requirements.

#### BD+C MR Credit, Building Life-Cycle Impact Reduction

- Option 3: Building and Material Reuse - Product can be used to refinish permanently installed interior elements (e.g. walls, doors).

#### BD+C MR Credit, Furniture and Medical Furnishings

- Option 3: Multi-attribute assessment of products - Product can be used to refinish permanently installed interior elements (e.g. walls, doors).

#### O+M MR Credit, Purchasing - Facility Maintenance and Renovation

- Product can be used to refinish permanently installed interior elements (e.g. walls, doors).
- Product is GREENGUARD GOLD Certified, meaning it is in compliance with the General Emissions Evaluation requirements.

### BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION INFORMATION

#### Environmental Product Declaration (EPD) or Life Cycle Analysis (LCA)

LCA information available under Confidential Disclosure Agreement.

#### Raw Material Source and Extraction Reporting

Raw Material source and extraction information for this product is considered to be 3M confidential and is therefore not available.

#### Extended Producer Responsibility

Take-back or recycling program for this product is not available.

#### Bio-based Materials

Product have not been tested to ASTM D6866.

#### Wood Products

Product does not contain wood-based materials.

#### Materials Reuse

Product can be used to refinish salvaged, refurbished, or reused materials and furniture.

#### Recycled Content

Product does not contain pre- or post-consumer recycled content.

#### Material Ingredient Reporting

Product ingredient information for this product is considered to be 3M confidential and is therefore not available.

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### GreenScreen Benchmark or Cradle to Cradle Certification

Assessment or Certification not available on this product.

### REACH Optimization

REACH Substance of Very High Concern certifications are on [3M.com/SDS](http://3M.com/SDS) (US) or [3M.com/SVHC](http://3M.com/SVHC) (Europe).

### Product Manufacture Supply Chain Optimization

Based on our analysis, 3M meets required process and safety requirements as outlined in the criteria.

### Location Valuation Factor

Based on supply chain, this product would not meet location valuation factor requirements of being extracted, manufactured, and purchased within 100 miles.

## Bulletin Change Summary

For the most current 3M Technical Information available to successfully use this product, please view this Bulletin electronically and click on the blue underlined links to view the relevant documents.

### Release B DEC-2016:

- Added LEED Credit section. See “LEED v4 Credits” on page 5.

3M Commercial Solutions  
3M Center, Building 220-12E-04  
St. Paul, MN 55144 USA

Phone 1-800-328-3908  
Web [3M.com/Graphics](http://3M.com/Graphics)

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