

Commercial Solutions Division

3M™ Anti-Graffiti Wrap Gloss Overlamine 8588G

3M™ Anti-Graffiti Wrap Matte Overlamine 8590M

Product Description 3M™ Anti-Graffiti Wrap Gloss Overlamine 8588G and 3M™ Anti-Graffiti Wrap Matte Overlamine 8590M are designed to protect graphic surfaces from stains, abrasion, UV light and graffiti. 3M recommends 3M™ Controltac™ Graphic Film IJ180-10, 3M™ Controltac™ Graphic Film IJ180Cv3-10, 3M™ Print Wrap Film IJ180mC-10, 3M™ Print Wrap Film IJ180mC-114, 3M™ Print Wrap Film IJ180mC-120, 3M™ Envision™ Print Wrap Film LX480mC and 3M™ Envision™ Print Wrap Film SV480mC as base film.

Product Line	Anti-Graffiti Wrap Overlamine	8588G	Glossy, transparent, permanent adhesive (clear)
		8590M	Matte, transparent, permanent adhesive (clear)

Important Notice This product is intended to be used for lamination over another film substrate. It has a permanent adhesive, if applied directly to substrate it will cause damage and removal will most likely leave a large amount of adhesive behind.

Product Characteristics These are indicative values for unprocessed products. Contact your 3M representative for a custom specification.

Physical & Application	Material	PVDF polymer blend		
	Surface finish	glossy and matte (see product line)		
	Thickness (film)	8588G	30 µm (0.03 mm)	
		8590M	40 µm (0.04 mm)	
	Adhesive type	acrylic, pressure-sensitive		
	Adhesive appearance	clear		
	Liner	8588G	PET	
		8590M	Kraft paper	
	Lamination temperature (minimum air and substrate)	+15°C to +38°C		
	Service temperature (after application)	-54°C to +93°C	(not for extended periods of time at the extremes)	
Surface type	flat to compound curves, incl. rivets and corrugations			

The values above are the results of illustrative lab test measurements and shall not be considered as a commitment from 3M.

Storage	Shelf life	Use within two years from the date of manufacture on the sealed original box. Use within one year after opening the box.
	Storage conditions	+4°C to +40°C, out of sunlight, original container in clean and dry area.

The shelf life as defined above remains an indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as warranty.

Flammability Flammability standards are different from country to country. Ask your local 3M contact for details, please.

Durability

The durability of products is influenced by:

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

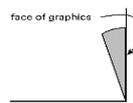
Unprocessed film The following durability data are given for unprocessed film only!

Climatic zone Graphic durability is largely determined by the climate and the angle of exposure. Find below a table showing the durability of a product according to the angle of exposure and the geographical location of the application.

Zone 1 Northern Europe, Italy (north of Rome), Russia

Exposure types

Vertical:



The face of the graphic is $\pm 10^\circ$ from vertical.

Vertical outdoor exposure

transparent

Zone 1

8 years

3M™ Performance Guarantee and MCS™ Warranty

3M provides a warranty on a finished applied graphic within the framework of 3M™ MCS™ warranty programs. For detailed graphic construction and application options along with specific Warranty periods, please see the Warranty matrices and Warranty information on 3M Graphic Solutions/Warranties. Visit www.3mgraphics.com/eu for getting more details about 3M's comprehensive graphic solutions.

Usage Details

Please visit our website 3M.eu/graphicsolutions for more information on specific usage of 3M Inkjet Printing Materials for Solvent, UV and Latex Printing.

All products

Except as noted otherwise:

- for use on 3M graphic film surfaces only
- overlaminates have to be applied with the cold roll method
- moderate heated rollers (+40°C maximum!) might be used for UV printed
- minimize web tension of overlaminate to avoid stretching of product.

Note:

Both heat and web tension can cause the overlaminate or graphic construction to curl!

Limitations of End Uses

3M specifically does not recommend or warrant the following uses, but please contact us to discuss your needs to recommend other products.

Important Notice

- Not for applications to substrates other than graphic films.
- Not for applications to substrate surface shapes other than specified in this section or recommended in the product bulletin of the base film used for graphic construction.
- Do not print on overlaminate!
- 3M Commercial Solutions Division products are not tested against automotive manufacturer specifications!

- Non vertical applications will have a significant decrease in durability.

Graphics Manufacturing

Use these products to protect graphics.

Shipping finished graphics Flat, or rolled film side out on 130 mm (5 inch) or larger core. These methods help to prevent the liner from wrinkling or application tape, if used, from popping off.

Application

See product bulletin ATR 'application tape recommendations' for information about selection and use of suitable application tapes for this product, please.

[> Product Bulletin Application Tape Recommendations <](#)

Refer to Instruction Bulletin 5.1 'select and prepare substrates for graphic application', for general application information.

[>Instruction Bulletin 5.1 'select and prepare substrates for graphic application'<](#)

Maintenance and Cleaning

Use a cleaner designed for high-quality painted surfaces. The cleaner must be wet, non-abrasive, without strong solvents, and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline).

Refer to Instruction Bulletin 6.5 'storage, handling, maintenance and removal of films and sheetings', for general maintenance and cleaning information.

[>Instruction Bulletin 6.5 'Storage, Handling, Maintenance and Removal of Films and Sheetings'<](#)

Graffiti Removers 3M recommends the following Graffiti Remover: 3M™ GR1500. All other Graffiti Removers must be tested for suitability/compatibility.

Remarks

This bulletin provides technical information only.

Important notice 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.

As outdoor graphics age, natural weathering occurs causing a gradual reduction in gloss, slight color changes, some lifting of the graphic at the edges or around rivets, and ultimately a minor amount of cracking.

These changes are not evidence of product failure and are not covered by a 3M warranty.

Additional information Visit the web site of your local subsidiary at www.3Mgraphics.com for getting:

- more details about 3M™ MCS™ Warranty and 3M™ Performance Guarantee
- additional instruction bulletins
- a complete product overview about materials 3M is offering

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