



Scotchprint® Wrap Film

Series 1080

Product Bulletin

Product Description

Scotchprint® Wrap Film Series 1080 are long-term, removable, dual cast films designed for solid color vehicle detailing, decoration and full wraps without the need of additional graphic protection.

These vinyl films are sold in 1.52 m wide rolls, allowing almost any section of a vehicle to be wrapped without seams.

The films provide excellent opacity to hide high contrast surfaces and are shortly resistant against petrol spillage and extremely resistant to all atmospheric influence.

Controltac™ technology is a mechanical feature out of millions of glass spheres on top of the adhesive surface. This minimizes the initial contact area of the adhesive and allows the applicator to reposition the graphic during application.

This effects easier installation of large formats in a wide temperature range.

Comply™ are air release channels in the adhesive for fast and easy, bubble-free graphic installations.

Product Line	Car wrapping	CT1080-X	X = color code, opaque, matte, permanent adhesive (grey) with Comply™v3. Wide selection out of large color range.
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Product Characteristics

Physical & Application

These are typical values for unprocessed products.

Contact your 3M representative for a custom specification.

Material	cast vinyl	
Surface finish	matte, textured surface	
Thickness (film)	90 µm (0.09 mm)	
Adhesive type	solvent acrylic, pressure-sensitive, repositionable	
Adhesive appearance	grey	
Liner	double-sided Polyethylene coated paper	
Adhesion	20 N/25 mm	FTM 1: 180° peel, substrate: glass; cond: 24 h 23°C/50%RH
Additional reference	Automotive paint: 11 N/25 mm - 22 N/25 mm	
Application method	dry only!	
Applied shrinkage	< 0.4 mm	FTM 14
Application temperature	+16°C minimum (air and substrate)	
Service temperature	-60°C to +107°C	
Surface type	flat to simple curved and moderate compound curves typical to personal vehicles	
Substrate type	aluminum, glass, PMMA, PC*, ABS, paint PC*: Polycarbonates might require drying with heat before use	
Graphic removal	Fair to remove with heat and/or chemicals from supported substrates. No liability is given for ease or speed of removal of any graphic. Pay attention to adequate air and substrate temperature.	

Storage

Shelf life	2 years from the date on the original box Up to 2 years unprocessed, or processed within 1 year and apply within 1 year of processing
Storage conditions!	+4°C to +40°C, out of sunlight, original container in clean and dry area.

Flammability

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

Durability

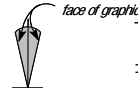
Unprocessed film The following durability data are given for unprocessed film only!

3M Performance Guarantee and MCS™ In addition, 3M provides a guarantee/warranty on a finished applied graphic within the framework of 3M Performance Guarantee and/or 3M MCS™ warranty programs.
Visit www.3mgraphics.com for getting more details about 3M's comprehensive graphic solutions.

Climatic zones 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.

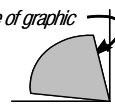
Exposure types

Vertical:



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

Non - vertical:



The face of the graphic is greater than 10° from vertical and greater than 5° from horizontal. This includes non-vertical surfaces of vehicle wraps or fleet truck and trailer graphics.

Horizontal:



face of graphic $\pm 5^\circ$ from horizontal

Vertical outdoor exposure

white/black

colors

Non-vertical outdoor exposure

white/black

colors

Horizontal outdoor exposure

white/black

colors

Northern Europe

6 years

5 years

Northern Europe

4 years

3 years

Northern Europe

3 years

2 years

Mediterranean area

4 years

3 years

Mediterranean area

2.5 years

1.5 years

Mediterranean area

2 years

12 months

Africa & Gulf area

3 years

2.5 years

Africa & Gulf area

2 years

12 months

Africa & Gulf area

12 months

6 months

Remarks Durability

Durability statements for white, black and colors include brushed and/or carbon versions.

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.

Graphics applied to

- stainless steel.
- surfaces not clean and more than moderate textured.
- surfaces with poor paint to substrate adhesion.
- other than flat or simply curved surfaces.
- Note: When used on more difficult surfaces stress relief cuts are recommended.
- watercraft when the graphic is applied below the static water line.
- watercraft graphics that are not edge sealed.
- non-OEM painted substrates on most vehicles.

Graphic removal from

- signs or existing graphics that must remain intact.
- vehicles do not have the original OEM paint applied.

Graphics subjected to

- regular exposure to gasoline vapors or spills at gas pumps, automobile fuel-tank ports.
- cut and weed applications where the application tape must adhere to the exposed liner.

Important Notice

- 3M Commercial Graphics Division products are not tested against automotive manufacturer specifications!
- Non vertical applications will have a significant decrease in durability!

Graphics Manufacturing

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' <](#)

Notice! Post-heating edges or stretched areas at 40 - 50°C is sufficient and will avoid blow through of film.

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' <](#)

Do not apply waxes or polishes to this film. If there is wax on the surface, remove with an all-purpose cleaner. To help restore the film's finish clean the film with isopropyl alcohol and water (2:1).

Notice! The brushes and the wax used at automated car wash will cause that matte colors appear more and more glossy.

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.

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

3M Europe S.A./N.V.

Hermeslaan 7
1831 Diegem, Belgium

Responsible for this technical bulletin

3M Deutschland GmbH | Display & Graphics Laboratory
Carl-Schurz-Str. 1 | 41453 Neuss, Germany

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