



# Scotchcal™ Clear View

## 8150

### Product Bulletin

**Product Description** Here you might would like to provide me some nice introduction phrases

**Product Line** window decoration SC8150 transparent, glossy, removable adhesive

**Product Characteristics** These are typical values for unprocessed product.  
Contact your 3M representative for a custom specification.

<b>Physical &amp; Application</b>	Material	cast vinyl
	Surface finish	glossy
	Thickness (film)	50µm (0,05mm)
	Adhesive type	solvent acrylic; pressure-sensitive
	Liner	transparent synthetic
	Adhesion	WERT [N/25mm] FTM 1: 180° peel, substrate: glass; cond: 24h 23°C/50%RH
	Application method	wet only!
	Applied shrinkage	0 [mm] FTM 14
	Application temperature	+10°C minimum (air and substrate)
	Service temperature	WERT
	Surface type	flat to simple curved
	Substrate type	glass, PMMA, PC* PC*: Polycarbonates might require drying with heat before use
	Graphic removal	Removable without heat nor 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.
<b>Durability</b>	Unprocessed film	The vertical outdoor durability of these films is 5 years. This statement is given for the most durable color within the film series. Other variants might have a lower durability. Since graphic durability is largely determined by the climate, the durability stated is based on average middle European exposure conditions. It might vary according to the geographical location of the application. For further information refer to the section additional information at the end of this bulletin.
	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 !	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.

## 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.

- |                      |                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Graphic applied to   | <ul style="list-style-type: none"><li>- flexible substrates incl. Panaflex and Panagraphics</li><li>- low surface energy substrates or substrates with low surface energy coating</li><li>- other than flat surfaces</li><li>- painted or unpainted wallboards, gypsum boards and wallpapers</li><li>- other than flat or simply curved surfaces</li></ul>                |
| Graphic removal from | <ul style="list-style-type: none"><li>- substrates with coatings (i.e.: anti-reflection, anti-scratch); coatings may be damaged during film removal</li></ul>                                                                                                                                                                                                             |
| Graphic subjected to | <ul style="list-style-type: none"><li>- gasoline vapors or spills.</li><li>- 3M Commercial Graphics Division products are not tested against automotive manufacturer specifications!</li><li>- Non vertical applications will have a significant decrease in durability!</li><li>- The user is responsible for determining and complying to laws and standards!</li></ul> |

## Graphics Manufacturing

When to use an overprint clear or overlaminate

Graphic protection can improve the appearance, performance and durability of your graphic. Any graphic exposed to abrasive conditions (including vehicles), harsh cleaners or chemicals must include graphic protection in order to be warranted.

See instruction bulletin GPO 'graphic protection options' for further information about selection and use of protective overlaminates and printable clears.

Shipping finished graphics

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

## Converting Information Ink Jet Printing

### Total Ink Coverage

A too high total physical ink amount on the film results in media characteristic changes, inadequate drying, overlamine lifting, and/or poor graphic performance. The maximum recommended total ink coverage for this film is: 270%. Do not exceed the recommended total ink coverage for the ink series used on this film.

### Adequately Dry Graphics

Inadequate drying can result in graphic failure including curling, increased shrinkage and adhesion failure, which are not covered under warranty. Always build enough time into your process to ensure adequate drying of the graphic. Poorly dried film become soft and stretchy, and the adhesive may become too aggressive. 3M recommends at least a minimum drying time of 24h before further processing of freshly printed graphics. Best is to dry graphic unrolled or at least as an loose wound roll standing upright.

## Application

### Application Tapes

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

## 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.

Colored film (non-printed) can be cleaned by using a Scotchbrite!

## 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.3m.eu/graphicsolutions](http://www.3m.eu/graphicsolutions) 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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