



3M™ Scotchcal™ Overlaminates 8580

Product Description

3M™ Scotchcal™ Overlaminates 8580 is a thin, extremely flexible film providing high conformability for applications onto recesses and deep channels. It provides additional ultraviolet and durable physical protection for selected graphic constructions.

Recommended End Uses

3M™ Scotchcal™ Overlaminates 8580 is intended for providing graphic protection to digitally imaged graphics made with 3M™ Controltac™ Plus Graphic Film IJ380.

Limitation of end use

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).

Characteristics

Property	Description
Film	Clear vinyl
Basis Weight (film and adhesive)	60 g/m ²
Gloss	Gloss
Adhesive type and color	Pressure sensitive, clear
Liner	120 g/m ² paper
Service temperature range	-60°C to 107°C
Chemical Resistance	<ul style="list-style-type: none"> Resists mild alkalis, mild acids and salt Excellent resistance to water Resists petroleum vapours

Note: This information is subject to change. These values are typical for unprinted film and are not intended for use in specifications. Be sure this is the most current Product Bulletin. See **3M Related Literature** at the end of this bulletin.

Lamination

The cold roll lamination method must be used when applying Overlaminates 8580 to Graphic Film IJ380.

Proper ink drying after printing is very important to minimize the risk of film lifting in recesses.

It is recommended to allow a minimum of 24 hours after printing before laminating the graphics with 3M™ Scotchcal™ 8580 Overlaminates film.

Important Note:

Care must be taken not to create tension in the overlaminates during the laminating process. Tension will cause the flexible 8580 to stretch, especially at higher ambient temperatures. This could result in the graphic construction lifting when applied into deep recesses.

Effective Performance Life

Performance statements are based upon representative experience obtained from testing throughout Europe. Actual performance will be determined by substrate selection and preparation, maintenance of the marking and the extremes of exposure conditions.

Warranted Durability

The 3M™ MCS™ warranty statement for 3M™ Scotchcal™ Overlaminates 8580 is based on the combination with 3M™ Controltac™ Plus Graphic Film IJ380

Shelf Life, Storage, and Shipping

Activity	Recommendation
Shelf life	2 years after receipt from 3M
Storage conditions	<ul style="list-style-type: none"> Out of sunlight (Temp. < 38°C) Clean dry area Original container
Shipping finished graphics	Flat, or rolled printed side out on 13 cm or larger core; this helps prevent the liner and application tape from wrinkling or popping off

3M Related Literature

Listed below is related 3M Technical Literature which may be of interest:

Subject	Product Bulletin	Instruction Bulletin
3M™ Controltac™ Plus Graphic Film Series IJ380	IJ380	
Cold roll lamination		4.22
Application of IJ380		5.41
Using 3M application tapes; Premasking and prespacing for films and sheeting's		4.3

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.

Technical Assistance

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

Commercial Graphics Department
3M United Kingdom PLC
3M Centre, Cain Road, Bracknell
Berkshire, RG12 8HT
Tel: 01344 857850
Fax: 01344 857939
e-mail: commgraphics.uk@mmm.com
www.3m.com/uk/graphicsolutions
www.scotchprint.com/uk

Sales Assistance

Commercial Graphics Department
3M United Kingdom PLC
3M House, 28 Great Jackson Street
Manchester, M15 4PA
Tel: (0161) 237 6394
Free Fax: (0800) 378127
e-mail: commgraphics.uk@mmm.com
www.3m.com/uk/graphicsolutions
www.scotchprint.com/uk

Commercial Graphics Department
3M United Kingdom PLC
3M Centre, Cain Road
Bracknell, Berkshire
RG12 8HT
Tel: 01344 857850
Fax: 01344 857939
e-mail: commgraphics.uk@mmm.com
www.3m.com/uk/graphicsolutions

Commercial Graphics Department
3M United Kingdom PLC
3M House, 28 Great Jackson Street
Manchester M15 4PA
Tel: 0161 237 6394
Free Fax: 0800 378127
e-mail: commgraphics.uk@mmm.com
www.3m.com/uk/graphicsolutions

Commercial Graphics Department
3M Ireland (Dublin)
Adelphi Centre, Dun Laoghaire
County Dublin, Ireland
Tel: +353 1 280 3278
Fax: +353 1 280 3509
e-mail: commgraphics.uk@mmm.com
www.3m.com/uk/graphicsolutions