3M Commercial Graphics
3M™ Scotchcal™ Opaque Graphic Film Series 50

General Purpose Films
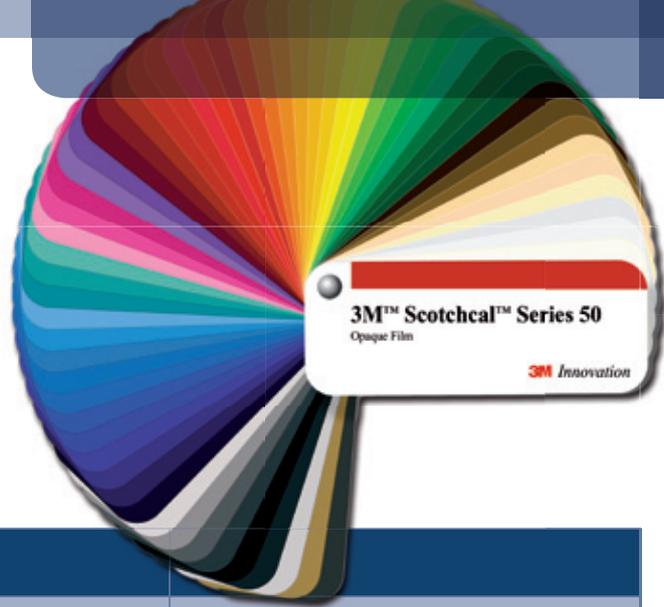## for Electrocut Graphics

3M

3M™ Scotchcal™ Opaque Graphic Film Series 50

Applications and Uses

A durable polymeric film series, designed to offer the signing market affordable solutions for quality graphics and signs backed by the 3M™ MCS™ warranty. This series offers a great choice of colours, has excellent layflat performance during the cutting process and is designed for application on flat and slightly curved surfaces.

A maximium warranty of 5 years provides you complete peace of mind when looking for short to medium term durability. Ideal for indoor and outdoor applications requiring screen printed or hand-, die-, electronically cut graphics, logos, emblems, lettering and labels for signs, vehicles and windows.

FAB Table

Features	Advantages	Benefits
Polymeric film	Ideal for flat surfaces. Affordable price.	Quality graphics for short and medium term. Cost effective.
75 micron film thickness	Easy handling and application.	Optimize application time.
Transparent adhesive	Presents same appearance from both sides.	Suitable for windows and other transparent surfaces.
60 standard colours	Provides full spectrum of the most frequently requested colours.	Great choice and optimized inventory management.
Stay flat white kraft paper liner	Good layflat during cutting process.	Time saving.
3M™ Scotchcal™ brand	Carries the 3M™ Scotchcal™ brand promise.	Leading & consistent quality, trouble free production & application, versatile & competitive product range, technical support, written warranty, from a company you can trust.
3M™ MCS™ Warranty	Strongest warranty in the industry. All elements are designed for total compatibility.	Peace of mind. Less risk of costy failure. No discrepancy over faulty elements of graphics.

Film Features

Suitable for indoors and outdoors?	Yes.
Typical uses	Non-illuminated signs and fascias, sign directory systems, vehicle markings, window graphics and most other applications requiring short to medium term durability.
Suitable application surfaces and substrates	Flat and simple curved surfaces. Most common surfaces, including: paint, aluminium, acrylic, glass and painted steel.
Suitable for application over compound curves, corrugations or rivets?	No. For applications on such surfaces, our 3M™ Scotchcal™ Premium Cast Film Series 100 should be selected.
Maximum warranty	Up to 5 years.
Colour range	60 standard colours, including matte white and black and three glossy metallic colours.
Minimum application temperature	+ 8° C.
Adhesive type	Clear, permanent, pressure sensitive adhesive.
Can graphics be removed?	Yes, with heat or chemicals. The 3M™ Scotchcal™ SP50R version is optimized for removability.
Suitable graphics production processes	Hand, die, electronic cutting. The 3M™ Scotchcal™ SP50 version is optimized for screen-printing.
Compatible inks and clears	3M™ Scotchcal™ Screen Printing Ink Series 1900 and 9700.
Recommended 3M™ Application Tapes (pre-mask or pre-spacing)	For unprinted film: 3M™ SCPM-19 (pre-masking) and 3M™ SCPS-100 (pre-spacing). For Scotchcal™ SP50 or SP50R screen printable films: 3M™ SCPS 100 (pre-masking Series 9700 inks), 3M™ SCPM19 (pre-masking Series 1900 inks), 3M™ SCPS2 (pre-spacing Series 9700 inks), 3M™ SCPS 100 (pre-spacing Series 1900 inks).

* See relevant technical bulletin for full details. Further information and samples available on request.