

Commercial Solutions Films - Quick Reference Guide

Please visit our website for more information on the products referenced in this document:
http://www.3m.co.uk/3M/en_GB/graphics-and-signage-uk/

And for technical datasheets for these products, please click visit:
<http://multimedia.3m.com/mws/media/738756O/technical-bulletins-uk.pdf>

Film Series		Overlaminates	Film Type				Adhesive										Application				Substrate	Print compatibility		Durability	For 3M™ MCS™ Warranties refer to our website		
																						Screen print	Digitally print	Where 3 numbers are shown, they relate to black/white; colours & transparent/ metallics respectively		Maximum durability for unprinted film (years)	
Fleet		Compatible Overlaminates	(MC= Monomeric Calendered, PC = Polymeric Calendered)	Finish	Colours	Colour Matching Available	Thickness, Film only (microns)	Colour	Comply	Repositionable Controltac	Pressure Sensitive Scotchcal	Petrol resistant	Removable Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations	Deep recesses	Glass	Paint	Screen print	Digitally print	Maximum durability for unprinted film (years)			
IJ20 (SC)	IJ20-10R	8008G Gloss 8010M Matte	MC	Gloss	White		80	Grey			●	●	●							●	●		●	1			
	IJ20-20R		MC	Matte	White		80	Grey			●	●	●								●	●		●	1		
	IJ20-114R		MC	Gloss	Trans		80	Clear			●	●	●								●	●		●	1		
	IJ20-124R		MC	Matte	Trans.		80	Clear			●	●	●								●	●		●	1		
IJ25 (SC)	IJ25-10R	8008G Gloss 8010M Matte	MC	Gloss & Matte	White		100	Grey			●	●	●							●	●		●	3			
	IJ25-20R		MC	Gloss & Matte	White		100	Grey			●	●	●							●	●		●	3			
40 (SC)	IJ140-10	8038G 8040M	PC	Gloss	White		75	Grey			●		●	●						●	●		●	5			
	IJ40-10R		PC	Gloss	White		75	Grey			●		●	●						●	●		●	5			
	IJ40-114		PC	Gloss	Trans		75	Trans			●		●	●							●	●		●	5		
	IJ40-124		PC	Matte	Trans		75	Trans			●		●	●							●	●		●	5		
	IJ40-124R		PC	Matte	Trans		75	Trans			●		●	●							●	●		●	5		
40C (CT)	40C-10	8038G 8040M	PC	Gloss	White		75	Grey	●	●			●	●						●	●		●	5			
	40C-10R		PC	Gloss	White		75	Grey	●	●			●	●						●	●		●	5			
	40C-20		PC	Matte	White		75	Grey	●	●			●	●							●	●		●	5		
	40C-20R		PC	Matte	White		75	Grey	●	●			●	●							●	●		●	5		
48 Envision	48-20	8048G 8050M	non-PVC polymer	Matte	White		80	Grey			●		●	●						●	●		●	5			
	48-20R		non-PVC polymer	Matte	White		80	Grey			●		●	●						●	●		●	5			
	48C-20	8048G 8050M	non-PVC polymer	Matte	White		80	Grey	●	●			●	●						●	●		●	5			
	48C-20R		non-PVC polymer	Matte	White		80	Grey	●	●			●	●						●	●		●	5			
50 (SC)	Self coloured	n/a	PC	Gloss/Matte incl metallic	65	75	Clear			●		●	●						●	●		●	7,5,4				
80 (SC)	Self coloured	n/a	Cast	Gloss & Matte incl metallic	84	50	Clear			●			●	●						●	●	●		10,8,6			
100 (SC)	Self coloured	n/a	Cast	Gloss/Matte and metallic	99 standard	● 50 - 65*	Clear			●			●	●						●	●		●	12,8,5,3			
170 (SC)	IJ170Cv3	8518G 8580M	Cast	Gloss	White		50	Grey	●		●		●	●						●	●		●	8			
160 (CT)	160-30	n/a	Cast	Semi-Matt	White		100	Grey		●			●	●						●	●	●		8			
	160C-30	n/a	Cast	Semi-Matt	White		100	Grey	●	●			●	●						●	●	●		8			
	IJ160-10	8518/8520	Cast	Semi-Matt	White		100	Grey		●			●	●						●	●		●	8			
180 (CT & Print Wrap Film)	180-10	8580G Gloss 8580M Matte 8993 Gloss 8995 Matte 8900	Cast	Gloss	White	●	50	Grey		●			●	●						●	●		●	10			
	IJ180-10		Cast	Gloss	White		50	Grey		●			●	●							●	●		●	10		
	180C-114		Cast	Gloss	Trans		50	Grey	●	●			●	●							●	●		●	6		
	180-114		Cast	Gloss	Trans		50	0			●			●	●							●	●		●	6	
	180Cv2-10		Cast	Gloss	White	●	50	Grey	●	●			●	●							●	●		●	10		
	IJ180Cv3-10		Cast	Gloss	White		50	Grey	●	●			●	●							●	●		●	10		
	180Cv2 Colours		Cast	Gloss	35	●	50	^Grey/Trans	●	●			●	●							●	●		●	10,8,5,3		
	IJ180mC-10		Cast	Gloss	White		50	Grey	mC					●	●						●	●		●	10		
	IJ180mC-114		Cast	Gloss	Trans		50	Trans	mC					●	●						●	●		●	8		
	IJ180mC-120		Cast	Gloss	Silver		50	Grey	mC	●				●	●						●	●		●	5		

* Click on this link for film thicknesses and adhesive colours

[3M™ Premium Films Colour Range](#)

Film Series		Overlaminates	Film Type					Adhesive										Application				Substrate	Print compatibility		Durability
Fleet		Compatible Overlaminates	(MC= Monomeric Calendered, PC = Polymeric Calendered)	Finish	Colours	Colour Matching Available	Thickness, Film only (microns)	Colour	Comply	Repositionable Controltac	Pressure sensitive Scotchcal	Petrol resistant	Removable	Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations	Deep recesses	Glass	Paint	Screen print	Digitally print	Maximum durability for unprinted film (years)
IJ380 (CT)	Wrap film	8580G/8580M 8548G**	Cast	Gloss	White	●	50	Grey		●			●	●	●	●	●	●	●	●	●	●	●	●	10
480	LX480mC	8548G 8549L	Non-PVC Polymer	Gloss	White		50	Grey	mC	●				●	●	●	●	●	●	●	●	●	●	●	12
	SV480mC	8548G 8549L	Non-PVC Polymer	Gloss	White		50	Grey	mC	●				●	●	●	●	●	●	●	●	●	●	●	12
680 Scotchlite	680 reflective	n/a	Composite	Gloss	10	●	175	Clear		●				●	●	●	●	●	●	●	●	●	●	●	8
	IJ680	8518/8520	Composite	Gloss	White		175	Clear		●				●	●	●	●	●	●	●	●	●	●	●	8
1080 Car Wrap	Dual Layer	8900	Cast	Various	90????		90	Grey	mC	●				●	●	●	●	●	●	●	●	●	●	●	6
1380 Car Wrap	Multi Layer	n/a	Cast	Various	14		90	White	mC	●				●	●	●	●	●	●	●	●	●	●	●	6
3470 (SC)	3470	n/a	PC	Matte	White		100	Grey			●	●	●	●	●	●	●	●	●	●	●	●	●	●	3
	3475	n/a	PC	Matte	Black		100	Grey			●	●	●	●	●	●	●	●	●	●	●	●	●	●	3
3480 (SC)	Fluorescent	n/a	PC	Gloss	3		170	Cream			●	●	●	●	●	●	●	●	●	●	●	●	●	●	3
3650 (SC)	3650B	n/a	Cast	Gloss	White	●	50	Grey			●	●	●	●	●	●	●	●	●	●	●	●	●	●	8
	3655B	n/a	Cast	Gloss	Black		50	Grey			●	●	●	●	●	●	●	●	●	●	●	●	●	●	8
	3669D	n/a	Cast	Gloss	Trans		50	Clear			●	●	●	●	●	●	●	●	●	●	●	●	●	●	5
	IJ3650-10	8518 Gloss 8520 Matte 8580G/8580M	Cast	Gloss	White		50	Grey			●	●	●	●	●	●	●	●	●	●	●	●	●	●	5
7725SE-400 (SC)	Fluorescent	n/a	Cast	Gloss	3		80	White			●	●	●	●	●	●	●	●	●	●	●	●	●	●	2
8150 (SC)	8150	8150	Cast	Gloss	Trans		50	Clear			●	●	●	●	●	●	●	●	●	●	●	●	●	●	7
8900																									

For 3M™ MCS™ Warranties refer to our website

Where 3 numbers are shown, they relate to black/white; colours & transparent/ metallics respectively

* Click on this link for film thicknesses and adhesive colours

[3M™ Premium Films Colour Range](#)

**See website for full details of compatible overlaminates for your specific print technology

[3M Commercial Graphics Warranty Information](#)

Film Series		Overlaminate	Film Type				Adhesive										Application					Substrate	Print compatibility		Durability	For 3M™ MCS™ Warranties refer to our website	
																									Where 3 numbers are shown, they relate to black/white; colours & transparent/ metallics respectively		
Traditional Signage; Walls; Floors and Windows		Compatible Overlaminate	(MC= Monomeric Calendered, PC = Polymeric Calendered)	Finish	Colours	Colour Matching Available	Thickness, Film only (microns)	Colour	Comply	Repositionable Controltac	Pressure sensitive Scotchcal	Petrol resistant	Removable	Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations	Deep recesses	Glass	Paint	Screen print	Digitally print	Maximum durability for unprinted film (years)		
IJ20 (SC)	IJ20-10R	8008G Gloss* 8010M Matte	MC	Gloss	White	80	Grey				•		•	•							•	•	•	•	1		
	IJ20-20R		MC	Matte	White	80	Grey				•		•	•								•	•	•	•	1	
	IJ20-114R		MC	Gloss	Trans	80	Clear				•		•	•								•	•	•	•	1	
IJ25 (SC)	IJ25-10R IJ25-20R	8008G Gloss* 8010M Matte	MC	Gloss & Matte	White	100	Grey				•		•	•							•	•	•	•	3		
	IJ25-10R IJ25-20R	3649/Floor Graphics	MC	Gloss & Matte	White	100	Grey				•		•	•							•	•	•	•	3 Months		
40 (SC) Including Floor Graphics	IJ140-10	8038G 8040M 3645/Floor Graphics	PC	Gloss	White	75	Grey				•		•	•							•	•	•	•	5		
	IJ40-10R		PC	Gloss	White	75	Grey				•		•	•							•	•	•	•			
	IJ40-114		PC	Gloss	Trans	75	Trans				•		•	•								•	•	•		•	
	IJ40-124		PC	Matte	Trans	75	Trans				•		•	•								•	•	•		•	
	IJ40-124R IJ40-10R		PC PC	Matte Matte	Trans White	75 75	Trans Grey				• •		• •	• •								• •	• •	• •		• •	
40 (CT) Including Floor Graphics	40C-10 40C-10R 40C-20 40C-20R	8038G 8040M 3645/Floor Graphics	PC PC PC PC	Gloss Gloss Matte Matte	White White White White	75 75 75 75	Grey Grey Grey Grey	• • • •	• • • •			• • • •	• • • •							• • • •	• • • •	• • • •	• • • •	Floor Graphics 6-12 months			
	48 Envision	48-20 48-20R 48C-20 48C-20R	8048G 8050M 8048G 8050M	non-PVC polymer non-PVC polymer non-PVC polymer non-PVC polymer	Matte Matte Matte Matte	White White White White	80 80 80 80	Grey Grey Grey Grey				• • • •		• • • •	• • • •					• • • •	• • • •	• • • •	• • • •		5 5 5 5		
		50 (SC)	Self coloured	n/a	PC	Gloss & Matte incl metallic	60	75	Clear			•		•	•							•	•		•	•	7,5,4
		80 (SC)	Self coloured	n/a	Cast	Gloss & Matte incl metallic	84	50	Clear			•		•	•	•	•	•	•	•	•	•	•		•	•	10,8,5
100 (SC)		Self coloured	n/a	Cast	Gloss & Matte	99 standard	• 50 - 65*	Clear			•		•	•	•	•	•	•	•	•	•	•	•	•	12,8,5,3		
160 (CT)	160-30 160C-30 IJ160-10	n/a n/a 8518/8520	PC PC PC	Semi-Matt Semi-Matt Semi-Matt	White White White	100 100 100	Grey Grey Grey		• • •			• • •	• • •							• • •	• • •	• • •	• • •	8 8 8			
	170 (SC)	IJ170Cv3	8518G 8580M	Cast	Gloss	White	50	Grey	•		•		•	•	•	•	•	•	•	•	•	•	•	•	8		

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[3M™ Premium Films Colour Range](#)

Film Series		Overlaminates	Film Type					Adhesive										Application					Substrate	Print compatibility		Durability	For 3M™ MCS™ Warranties refer to our website	
																										Where 3 numbers are shown, they relate to black/white; colours & transparent/metallics respectively		
Traditional Signage; Walls; Floors and Windows		Compatible overlaminates	(MC= Monomeric Calendered, PC = Polymeric Calendered)	Finish	Colours	Colour Matching Available	Thickness, Film only (microns)	Colour	Comply	Repositionable	Controltac	Pressure sensitive	Scotchcal	Petrol resistant	Removable	Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations	Deep recesses	Glass	Paint	Screen print	Digitally print	Maximum Durability for unprinted film (years)	
160 (CT)	160-30	n/a	Cast	Semi-Matt	White		100	Grey		•					•		•	•		•			•	•	•		8	
	160C-30	n/a	Cast	Semi-Matt	White		100	Grey	•	•					•		•	•		•			•	•	•		8	
	IJ160-10	8518/8520	Cast	Semi-Matt	White		100	Grey		•					•		•	•		•			•	•	•		8	
180 (CT & Print Wrap Film)	180-10	8580G Gloss 8580M Matte 8993 Gloss 8995 Matte 8900	Cast	Gloss	White	•	50	Grey		•						•	•	•	•	•			•	•	•		10	
	IJ180-10		Cast	Gloss	White		50	Grey		•						•	•	•	•	•			•	•	•		10	
	180C-114		Cast	Gloss	Trans		50	Grey	•	•						•	•	•	•	•			•	•	•		6	
	180-114		Cast	Gloss	Trans		50	Trans		•						•	•	•	•	•				•	•	•		6
	IJ180Cv3-10		Cast	Gloss	White		50	Grey	•	•						•	•	•	•	•				•	•	•		10
	180Cv2 Colours		Cast	Gloss	35	•	50	Grey/Trans	•	•						•	•	•	•	•	•			•	•	•		10,8,5,3
	IJ180mC-10		Cast	Gloss	White		50	Grey	mC	•						•	•	•	•	•	•			•	•	•		10
	IJ180mC-114		Cast	Gloss	Trans		50	Trans	mC	•						•	•	•	•	•	•			•	•	•		8
IJ180mC-120	Cast	Gloss	Silver		50	Grey	mC	•						•	•	•	•	•	•			•	•	•		5		
LX480mC Envision	Wrap film	8548G 8549L	Non-PVC Polymer	Gloss	White		50	Grey	mC	•					•	•	•	•	•	•	•	•	•	•	•	•	12	
SV480mC Envision	Wrap film	8548G 8549L	Non-PVC Polymer	Gloss	White		50	Grey	mC	•					•	•	•	•	•	•	•	•	•	•	•	•	12	
3470 (SC)	3470	n/a	PC	Matte	White		100	Grey				•		•		•							•	•	•		3	
	3475	n/a	PC	Matte	Black		100	Grey				•		•		•							•	•	•		3	
3662-10 (SC) Pavement Graphics	3662	3647	Cast	Gloss	White		50	Grey				•		•		•							Unsealed, exterior pedestrian traffic areas	•	•	•	3 months	
7755SE (SC)	Mirror Gold & Silver	n/a	Vapour Coated Acrylic	Mirror	2		100	Clear				•		•	•								•	•	•	7 Silver 4 Gold		

Film Series		Overlaminate	Film Type					Adhesive					Application					Substrate		Print compatibility		Durability			
			Compatible overlaminate	MC= Monomeric Calendered, PC = Polymeric Calendered)	Finish	Colours	Colour Matching Available	Thickness, Film only (microns)	Colour	Comply	Repositionable Controltac	Pressure sensitive Scotchcal	Petrol resistant	Removable	Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations	Deep recesses	Glass	Paint	Screen print	Digitally print
Illuminated Signage. Translucent Films and films for special applications																									
2330 (SC)	self coloured film	n/a	PC	Low Gloss	33		80	Clear			•		•	•							•	•		7	
3630 (SC)	3630 self coloured films	n/a	Cast	Low Gloss	57	•	50	Clear			•		•	•	•			•			•	•		10 5 metallics	
	IJ3630-20	3640 Gloss 3642 Matte 8518/8520	Cast	Low Gloss	White		50	Clear			•		•	•	•			•				•		10	
	IJ3630LED	3640 Gloss 3642 Matte 8518/8520	Cast	Low Gloss	White	•	50	Clear			•		•	•	•			•					•	10	
3635 (SC) Light Management Films	3635-20 Blockout	3640 Gloss 3642 Matte	Cast	Matte	White		80	Black			•		•	•	•						•		•	12	
	3635-22 Blockout	3640	Cast	Matte	Black		80	White			•		•	•	•						•			12	
	3635-30 (30% light transmission)	n/a	Cast	Matte	White		80	Clear			•		•	•							•			12 (2nd surface)	
	3635-70 (60% light transmission)	n/a	Cast	Matte	White		80	Clear			•		•	•	•						•			12	
	3635-91 Day-Night Film	n/a	Cast	Matte	Grey		80	Clear			•		•	•	•						•			7	
	3635-100 Light Enhancement Film	n/a	Cast	Matte	White		140	Clear			•		•	•								•			5
	3635-210 Dual Colour Film	n/a	Cast	Matte	White		140	White			•		•	•											7
3635-222 Dual Colour Film	n/a	Cast	Matte	Black		140	Clear			•		•	•											7	
3730 (Envision)	self coloured film	n/a	Cast	Matte	20	•	50	Clear			•		•	•							•				
IJ3730 (Envision)	IJ3730-50 (50% light transmission)	3640 Gloss 3642 Matte 8518/8520	Cast	Matte	White		50	Clear			•		•	•							•		•	7	
	IJ3730-60 (50% light transmission)	3640 Gloss 3642 Matte 8518/8520	Cast	Matte	White		50	Clear			•		•	•							•		•	7	
3735 (Envision)	3735-50 (50% light transmission)	n/a	Cast	Matte	White		50	Clear			•		•	•							•			7	
	3735-60 (50% light transmission)	n/a	Cast	Matte	White		50	Clear			•		•	•							•			7	

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		Compatible overlaminates	(MC= Monomeric Calendered, PC = Polymeric Calendered)	Finish	Colours	Colour Matching Available	Thickness, Film only (microns)	Colour	Comply	Repositionable	Pressure sensitive	Petrol resistant	Removable	Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations		Deep recesses	Glass	Paint	Screen print	Digitally print	Maximum Durability for unprinted film (years)
Illuminated Signage. Translucent Films and films for special applications																										
5525SE (SC)	5525SE-314 Haze	n/a	PC	Low Gloss	1		80	Clear			•		•	•	•						•					3 Ext 5 Int
	5525SE-324 Sandblast	n/a	PC	Low Gloss	1		80	Clear			•		•	•	•						•					3 Ext 5 Int
7725SE (SC)	Dusted Crystal	n/a	Cast	Low Gloss	1		100	Clear			•		•	•							•					5 ext 15 int
	Frosted Crystal	n/a	Cast	Low Gloss	5		100	Clear			•		•	•							•					4 ext 15 int
7755SE-400 (SC)	Mirror Gold & Silver	n/a	Vapour Coated Acrylic	Mirror	2		100	Clear			•		•	•							•	•				7 Silver 4 Gold
7755SE-520(SC)	Translucent Mirror Silver	n/a	Vapour coated Acrylic	Mirror	1		80	Clear			•		•	•							•	•				7
8150 (SC)	8150 Clear View	8150	Cast	Gloss	Trans		50	Clear			•	•	•	•							•	•	•			7
8173 (SC)	IJ8173 PWWF	8914i	Cal		White		180	Black			•	•	•	•							•		•			2
Dichroic DF-PA Blaze	Transparent Iridescent	n/a	multi-layer polymeric plus hard coat polyester top coat	Gloss Iridescent	2		117	Clear			•		•	•							•		•			7
Dichroic DF-PA Chill							112																			7
Fasara	For application to internal glass only Apart from: Matte Crystal & Milky Crystal 2 which can be applied	n/a	Polyester	Various	> 50		70-100	Clear			•	•	•								•					10 (Int)
Special Effects Films																										
VP1587 (SC)	Photoluminescent	n/a	PC	Low Gloss	2		200	White			•		•	•	•						•	•	•			10 int 2 ext
3480 (SC)	Fluorescent	n/a	PC	Gloss	3		170	Cream			•	•	•													3
7725SE-400(SC)	Fluorescent	n/a	Cast	Gloss	3		80	White			•	•	•		•						•	•	•			2

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Film Series		Overlaminates	Film Type					Adhesive					Application					Substrate	Print compatibility		Durability				
Illuminated Signage. Translucent Films and films for special applications		Compatible overlaminates	(MC= Monomeric Calendered, PC= Polymeric Calendered)	Finish	Colours	Colour Matching Available	Thickness, Film only (microns)	Colour	Comply	Repositionable Controltac	Pressure sensitive Scotchcal	Petrol resistant	Removable	Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations	Deep recesses	Glass	Paint	Screen print	Digitally print	Maximum Durability for unprinted film (years)
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7755SE-520(SC)	Translucent Mirror Silver	n/a	Vapour coated Acrylic	Mirror	1		80	Clear			•			•	•						•			•	7

Flexible Substrates

Envision FS1	Flexible Substrate	n/a	white pigmented vinyl with polyester scrim	Gloss	1		550 - 590	White																•	8 ext	For 3M™ MCS™ Warranties refer to our website
Panagraphics III	Flexible Substrate	n/a		Gloss	1		580	White																•	6 ext 10 int	

Films with Special Properties

3670 (SC)	3670 aggressive adhesive suitable for low surface energy substrates	n/a	Cast	Gloss	White		112	Black		•			•	•	•									•	•	3	For 3M™ MCS™ Warranties refer to our website
3690 (SC)	3690 aggressive adhesive suitable for moderately rough surfaces	n/a	Cast	Gloss	White	•	117	Grey		•			•	•	•	•								•	•	5	
	IJ3690 aggressive adhesive suitable for moderately rough surfaces	8518 Gloss 8520 Matte	Cast	Gloss	White	•	117	Grey		•			•	•	•	•								•	•	5	

Architectural Finishes

Film Series		Overlaminates	Film Type					Adhesive					Application					Substrate	Print compatibility		Durability																								
DI-NOC *		A wide range of films, emulating stone, wood, leather, etc	n/a	Cast	Varies	>500	± 212	Colour	Comply	Repositionable Controltac	Pressure sensitive Scotchcal	Petrol resistant	Removable	Permanent	Flat	Simple curves	3D curves	Rivets	Corrugations	Deep recesses	Glass	Paint	Screen print	Digitally print	Maximum Durability for unprinted film (years)																				
								Where 3 numbers are shown, they relate to black/white; colours & transparent/ metallics respectively	For 3M™ MCS™ Warranties refer to our website																																				
																							•	•	•	See below *	•																		15

* For 3M™ DI-NOC™ Architectural Finishes, this information varies by product. See catalogue for these symbols:-

	Suitable for external applications		Suitable for external applications, but not recommended for application to PVC coated m
	Not recommended for use on compound curves		Not recommended for butt joint applications
NEW	New design		Also available as a non-PVC version (E-Series)
H	A product code ending in "H" indicates horizontal grain direction		Pattern is large scale, view full pattern width image at 3M.com/AMD
	Pattern is large scale, view full pattern width image at 3M.com/AMD		Available in EX series. See Page 43 for visual appearance

Overlaminates/Protective Films

NB: Bulletin: 3M UK Commercial Graphics Overlaminates contains recommendations for film components which are common for most printers. Specific Printers and ink systems may change these recommendation's to stay within the 3M™ MCS™ Warranty and it is therefore recommended that you consult 3M Commercial Graphics Warranty Information to confirm the best system.

Overlaminates/Protective Films				Fleet	Signage & Graphics								Limitations of End Use		
Product	Finish	MC= Monomeric Calendered PC = Polymeric Calendered	Thickness - microns Film only - unless otherwise stated	Description	Vehicle Wraps	Fleet General	Backlit	Backlit or thermoformed	Non-Backlit	Signage	Windows & Glass	Textured Walls	Floors	Pavements	
3640	Gloss	Cast	25	This film offers the highest protection from UV fading and dirt. It is thermoformable on plastic substrates. It is designed for overlaying onto flat surfaces and over cut or printed vinyl graphics to provide additional resistance to dirt, pollution, and UV degradation.			•	•		•					For application to 3630 only
3642	Matte	Cast	25	This film offers the highest protection from UV fading and dirt. It is thermoformable on plastic substrates. It is designed for overlaying onto flat surfaces and over cut or printed vinyl graphics to provide additional resistance to dirt, pollution, and UV degradation.			•	•		•					For application to 3630 only
3645	Matte	Composite	200	A slip and scuff resistant film for use with 3M™ Controltac™ Graphic Film 162 and IJ162 in the production of graphics for floors.									•		Interior use only. Graphics for floors exposed to heavy foot traffic (more than 1,000 people per day) are warranted for 6 months. NB: 3M accepts no liability for a floor graphic construction where the recommended 3M base film is not used.
3647	Matte	Cast	475	A slip and scuff resistant film for use with 3M Scotchcal™ Graphic Film 3662-10 for the production of graphics for pavements.										•	For pedestrian traffic only. Graphics can be damaged by vehicular traffic or heavy equipment. NB: 3M accepts no liability for a pavement graphic construction where the recommended 3M base film is not used.
8008G	Gloss	Calendered monomeric	80	Recommended overlaminate for IJ20 and IJ25		•				•					
8040M	Matte	Calendered Polymeric	75	A flexible, conformable overlamate		•				•					
8518	Gloss	Cast	50	A flexible, conformable overlaminate		•				•					
8520	Mate	Cast	50	A flexible, conformable overlaminate		•				•					
8548G	Gloss	Non PVC Polymer	50	An overlaminate designed specifically for use with 3M™ Envision™ Print Wrap Film 480	•	•				•					For use on 3M™ Envision™ Print Wrap Film 480
8549L	Lustre	Non PVC Polymer	50	An overlaminate designed specifically for use with 3M™ Envision™ Print Wrap Film 480Cv3	•	•				•					For use on 3M™ Envision™ Print Wrap Film 480
8580G*	Gloss	Cast	25	A thin, extremely flexible film providing high conformability for vehicle wrap applications onto recesses and deep channels.	•										
8580M*	Matte	Cast	25	A thin, extremely flexible film providing high conformability for vehicle wrap applications onto recesses and deep channels.	•										

Overlaminates/Protective Films					Fleet	Signage & Graphics								Limitations of End Use			
NB: Bulletin: 3M UK Commercial Graphics Overlaminates contains recommendations for film components which are common for most printers. Specific Printers and ink systems may change these recommendation's to stay within the 3M™MCS™ Warranty and it is therefore recommended that you consult 3M Commercial Graphics Warranty Information to confirm the best system.																	
8900	glossy (G), satin (S), textured surface (BR, CF) (see product line)▶	Cast	50 - 90▶	3M™ Wrap Overlamine Series 8900 is designed to enhance the appearance of printed graphics or coloured films.	●	●					●	●					Depending upon base film and orientation.
8914i	Gloss	Cast	25	An optically clear, conformable overlamine designed specifically for use with 3M™ Scotchcal™ Perforated Window Graphic Films IJ229 and 8173.												●	For use on 3M Perforated Window Graphic films only.
8991 8991R	High Gloss	Polyester	100	These films are intended to provide protection for graphics and other substrates on smooth, flat or simple curved surfaces. There are resistant to many types of accidental and intentional stains and abrasion, and can withstand the harsh solvents that are needed to clean the surface and remove graffiti. Film 8991R is removable.												●	Flat and simple curved surfaces only.
8993	High Gloss	Polyester	25	These films provide resistance to many types of accidental and intentional stains and abrasion and can withstand the harsh solvents that are needed to clean the surface and remove graffiti.												●	Flat and simple curved surfaces only.
8995	Matte	Polyester	25	These films provide resistance to many types of accidental and intentional stains and abrasion and can withstand the harsh solvents that are needed to clean the surface and remove graffiti.												●	Flat and simple curved surfaces only and for internal applications only.

* 8580G/8580M can be used to overlaminate IJ480, but please be aware that these overlaminates are PVC films

▶ [3M™ Wrap Overlamine Series 8900](#)

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