

William Smith Vehicle Wrapping

The Professional's Guide.



William Smith

The Professional's Choice.

The difference is in the detail.

As part of William Smith Group 1832, William Smith is one of the UK's leading distributors of self-adhesive materials and associated accessories to the sign, graphics and building interiors industries.

We place high standards on everything we do. As a trade-only company, we understand our customers and respect their business.



Vehicle Wrapping Films

With the popularity of vehicle wrapping as a business advertising medium, we can supply a range of films and accessories to achieve outstanding results.

Create an exciting first impression

A smartly wrapped vehicle can reinforce your company's brand and reassure customers they're dealing with experts. Vehicle wraps capture the attention of potential customers; "...on average a commercial vehicle can be seen by 3,000 people every hour..." Independent survey carried out.

Protect your business reputation

70% of consumers are more likely to employ a company's services based on the appearance of their vehicles. With vehicle wraps, every mile you drive can help promote your business.

Protect your assets and increase their resale value

Vehicle wraps will protect your paintwork against stone chips and minor abrasions. The wrap can be fully removed at the end of the vehicles use maximising the potential resale value.

We offer a knowledge hub for the trade, containing videos, galleries, product and application bulletins, hints, tips and FAQs about vehicle wrapping. We're offering our knowledge of the tools and materials we supply, to help you in your vehicle wrap applications.

To access this useful information visit our website:

www.williamsmith.co.uk/vehicle-wrapping

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The best thing about vinyl wrapping is that there's no four week wait. A full wrap can be completed in just two days from start to finish. And with decent bodywork, it will look just as good as a re-spray but can cost half the price.

Mark Riccioni, Max Power

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FILMS FOR DIGITAL PRINT

05

FILMS FOR COLOUR CHANGE

22

FILMS FOR PROTECTION

34

AUTOMOTIVE WINDOW TINT FILMS

36



HINTS & TIPS

Wrap Film Features, the detail...

Repositionability

- **3M™ Controltac™** - slide and reposition graphics before activating the adhesive with pressure for perfect results.
- **Avery Dennison® Repositionable and Slideable (RS)** - adhesive technology that allows repositionability and slideability of graphics.
- **Arlon FLITE™ technology** - a lite contact adhesive system allowing graphics to float over a substrate until firm pressure and heat is applied.

Air Release Liner Technology

- **3M™ Comply™** - non-visible air channels offer the ultimate air release technology for bubble free application.
- **3M™ microComply™** - micro air channel technology for a smooth visual appearance.
- **Avery Dennison® Easy Apply™ (EA)** - air egress system to reduce the risk of bubbles.
- **Arlon X-Scape Technology™** - air egress technology.
- **Arlon LX** - smooth finish, low profile X-Scape Technology™ air egress technology.

We provide all the essential wrap tools...

To complement our trade sign manufacturing and material supply service, we now hold an extensive range of high performance tools and accessories to help anyone using self-adhesive films complete their projects professionally and without any fuss.

Visit williamsmith.co.uk/brochures to download our latest Tools and Accessories Brochure



FILMS FOR DIGITAL PRINT



3M™ Scotchcal™ Graphic Film with Comply™ IJ170

A value cast film for applications on to flat or moderately curved surfaces for car wraps and single step, shallow recessed van wraps.

Code/Colour:





IJ170-10Cv3 Gloss White Comply™ Version 3

Recommended Overlaminate:

8518

Key Features:

- Cast PVC
- 8 year durability
- Internal, external use
- 50 micron
- Grey, permanent adhesive

 MIN. APPLY TEMPERATURE	 POST HEATING TEMPERATURE	 ADHESIVE TYPE	 RECESS TYPE
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FILMS FOR DIGITAL PRINT



3M™ Controltac Graphic Film Series IJ180

A premium cast white film with solvent based acrylic adhesive, suitable for application onto flat or corrugated surfaces.

Key Features:

- Cast PVC
- 5 year durability
- Internal, external use
- 50 micron
- Clear, permanent adhesive

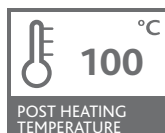
Code/Colour:

IJ180-10 Gloss White

Recommended Overlamine:

8518, 8520

*Any 3M cast laminate could be matched



FILMS FOR DIGITAL PRINT

3M**3M™ Print Wrap Film Series IJ180mC**

A premium cast digital film with comply adhesive with micro technology. Suitable for flat, curved and corrugated surfaces.

Key Features:

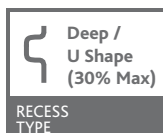
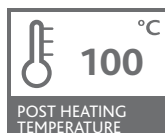
- Cast PVC
- 10 year durability
- Internal, external use
- 50 micron
- Grey/clear, permanent adhesive

Code/Colour:

- IJ180mC-10** Gloss White Micro Comply
- IJ180mC-114** Gloss Clear Micro Comply
- IJ180mC-120** Metallic Micro-Comply
- IJ180mC-10 LSE** Gloss White Micro-Comply (Low Surface Energy)
- IJ180mC-10 SLS** Gloss White Micro-Comply (Stainless Steel)
- IJ180mC-10 UR** Gloss White Micro-Comply (Ultra Removable)

Recommended Overlamine:

8518, 8520, 8548G, 8549L



FILMS FOR DIGITAL PRINT

3M

3M Print Wrap Film IJ280

A premium cast white film with pressure activated adhesive resulting in epic conformability and smooth installation, even with the deepest corners and compound curves.

Improved features include fantastic repositionability and slideability, better print quality and the new Comply air release v4.

Key Features:

- Cast
- 8-year durability (clean removal with heat, 8 years warranty)
- Internal, external use
- 50 micron
- Clear, permanent adhesive

Code/Colour:

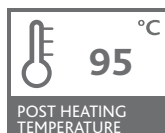
IJ280 White

IJ280/8428G White / Gloss Clear

Recommended Overlamine:

8428G

*Any 3M cast laminate could be matched



FILMS FOR DIGITAL PRINT



Avery Dennison MPI 1104 Cast Series

A highly conformable cast gloss white film which copes easily with 3D challenges such as rivets and corrugations. Available with Easy Apply Technology

Key Features:

- Cast PVC
- 7 year durability
- Internal, external use
- 50 micron
- Grey, permanent adhesive

Code/Colour:

MPI 1104 Gloss White Repositionable

MPI 1104EA Gloss White Repositionable Easy Apply

Recommended Overlamine:

DOL 1460 Z Gloss, DOL 1480 Z Matt

 MIN. APPLY TEMPERATURE	 POST HEATING TEMPERATURE	 EASY APPLY	 Deep / U Shape
ADHESIVE TYPE	RECESS TYPE		

FILMS FOR DIGITAL PRINT



Avery Dennison MPI 1105 Wrapping Series

A premium gloss white opaque cast vinyl with superb 3D comfortability. Ideal for long term fleet applications, coping easily with challenges such as rivets and corrugations.

Key Features:

- Cast PVC
- 10 year durability
- Internal, external use
- 50 micron
- Grey, permanent adhesive

Code/Colour:

MPI 1105 Gloss White

MPI1105 EA RS Gloss White Easy Apply
Repositionable

Recommended Overlamine:

8518, 8520, 8548G, 8549L

<p>10 °C</p> <p>MIN. APPLY TEMPERATURE</p>	<p>80 °C</p> <p>POST HEATING TEMPERATURE</p>	<p>Repositionable / Easy Apply</p> <p>ADHESIVE TYPE</p>	<p>Deep / U Shape</p> <p>RECESS TYPE</p>
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FILMS FOR DIGITAL PRINT



Avery Dennison MPI 1105 Speedmaster

A highly conformable gloss white cast film featuring superior 3D comfortability for demanding corrugations and outstanding colour 'pop'.

Key Features:

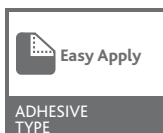
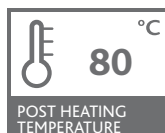
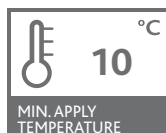
- Cast PVC
- 10 year durability
- Internal, external use
- 50 micron
- Grey, permanent adhesive

Code/Colour:

MPI 1105 Speedmaster Gloss White Invisible
Easy Apply Adhesive

Recommended Overlaminate:

DOL 1460 Z Gloss, DOL 1470 Z Lustre, DOL Z 1480



FILMS FOR DIGITAL PRINT



Arlon Fusion Wrap + FLITE™ Technology

A white gloss high-performance polymeric film with FLITE™ Technology. Superior comfortability, great for vehicle wraps and graphics with simple to moderate curves.

Key Features:

- Calendered Polymeric PVC
- 7 year durability
- Internal, external use
- 60 micron
- Tinted, permanent adhesive

Code/Colour:

Fusion Wrap Gloss White with FLITE™

Recommended Overlamine:

3170

<p>15 °C</p> <p>MIN. APPLY TEMPERATURE</p>	<p>100 °C</p> <p>POST HEATING TEMPERATURE</p>	<p>Repositionable / FLITE™ Technology</p> <p>ADHESIVE TYPE</p>	<p>Shallow / Gentle Curves</p> <p>RECESS TYPE</p>
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FILMS FOR DIGITAL PRINT



Arlon DPF 6000 Series

A gloss white premium cast film with special adhesive designed to provide excellent opacity, with superior conformability around rivets, curves and contours.

Key Features:

- Cast PVC
- Up to 7 year durability
- External use
- 50 micron
- Grey permanent adhesive

Code/Colour:

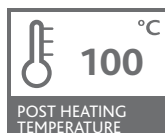
DPF 6000RP Gloss White

DPF 6000RP Clear Gloss Clear

DPF 6000XRP Gloss White X-Scape

Recommended Overlaminate:

3210G, 3220M



FILMS FOR DIGITAL PRINT



Arlon DPF 6100XLP

A very popular cast film with superior conformability around rivets, curves, contours and channels. Includes bubble releasing, pressure- sensitive adhesive.

Key Features:

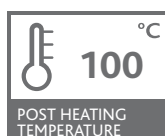
- Cast PVC
- 10 year durability
- Internal, external use
- 50 micron
- Grey, permanent adhesive

Code/Colour:

DPF6100XLP Gloss White Low Profile X-Scape

Recommended Overlamine:

3210G, 3220M



FILMS FOR DIGITAL PRINT



A repositionable cast film with FLITE Technology, allowing the film to float over substrates. Fast installation conforming around rivets, complex curves and deep channels.

Key Features:

- Premium Cast PVC
- 10 year durability
- External use
- 50 micron
- Light grey, permanent adhesive

Code/Colour:

SLX Gloss White FLITE™ Technology

Recommended Overlamine:

3270, 3210, 3220

<p>15-38 °C</p> <p>MIN. APPLY TEMPERATURE</p>	<p>100 °C</p> <p>POST HEATING TEMPERATURE</p>	<p>Repositionable / FLITE™ Technology</p> <p>ADHESIVE TYPE</p>	<p>Deep / U Shape</p> <p>RECESS TYPE</p>
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FILMS FOR DIGITAL PRINT



Arlon SLX+

An ultra-repositionable all season cast wrap film, designed to perform its best in a wide temperature range. With deep channel warranty it offers exceptional multi-surface adhesion and Flite Technology.

Key Features:

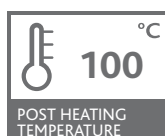
- Cast PVC
- Up to 10 year durability
- External use
- 50 micron
- Grey, permanent adhesive

Code/Colour:

SLX+ Gloss White Flite Technology & Fast Adhesive Bonding

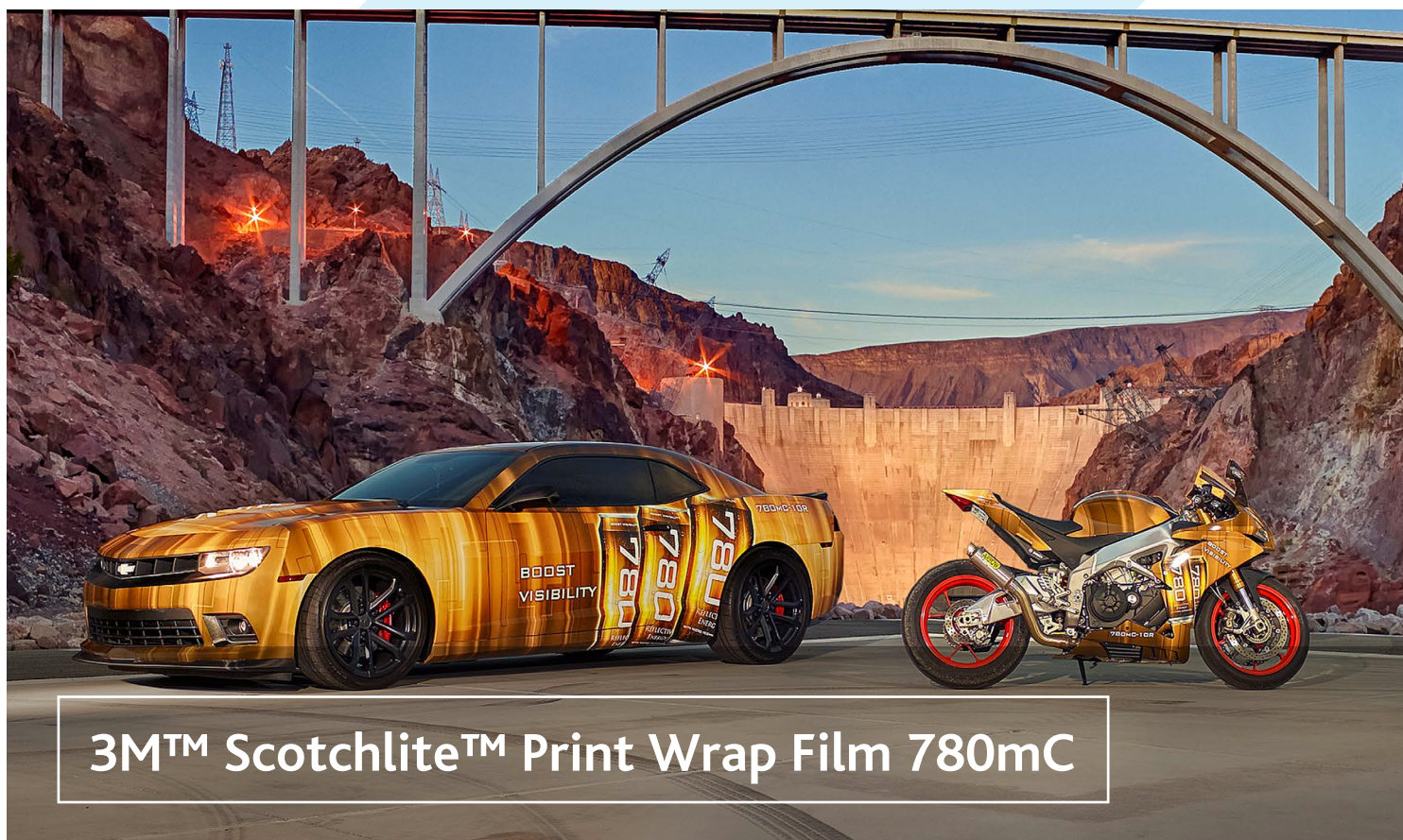
Recommended Overlamine:

3210



FILMS FOR DIGITAL PRINT

REFLECTIVE



3M™ Scotchlite™ Print Wrap Film 780mC

A white, flexible, enclosed-lens digital print film offers robust retroreflective technology, which achieves a very dramatic appearance-enhanced at night.

Code/Colour:

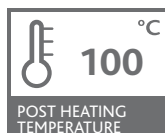
780mC-10R White Reflective Removable

Recommended Overlamine:

8518

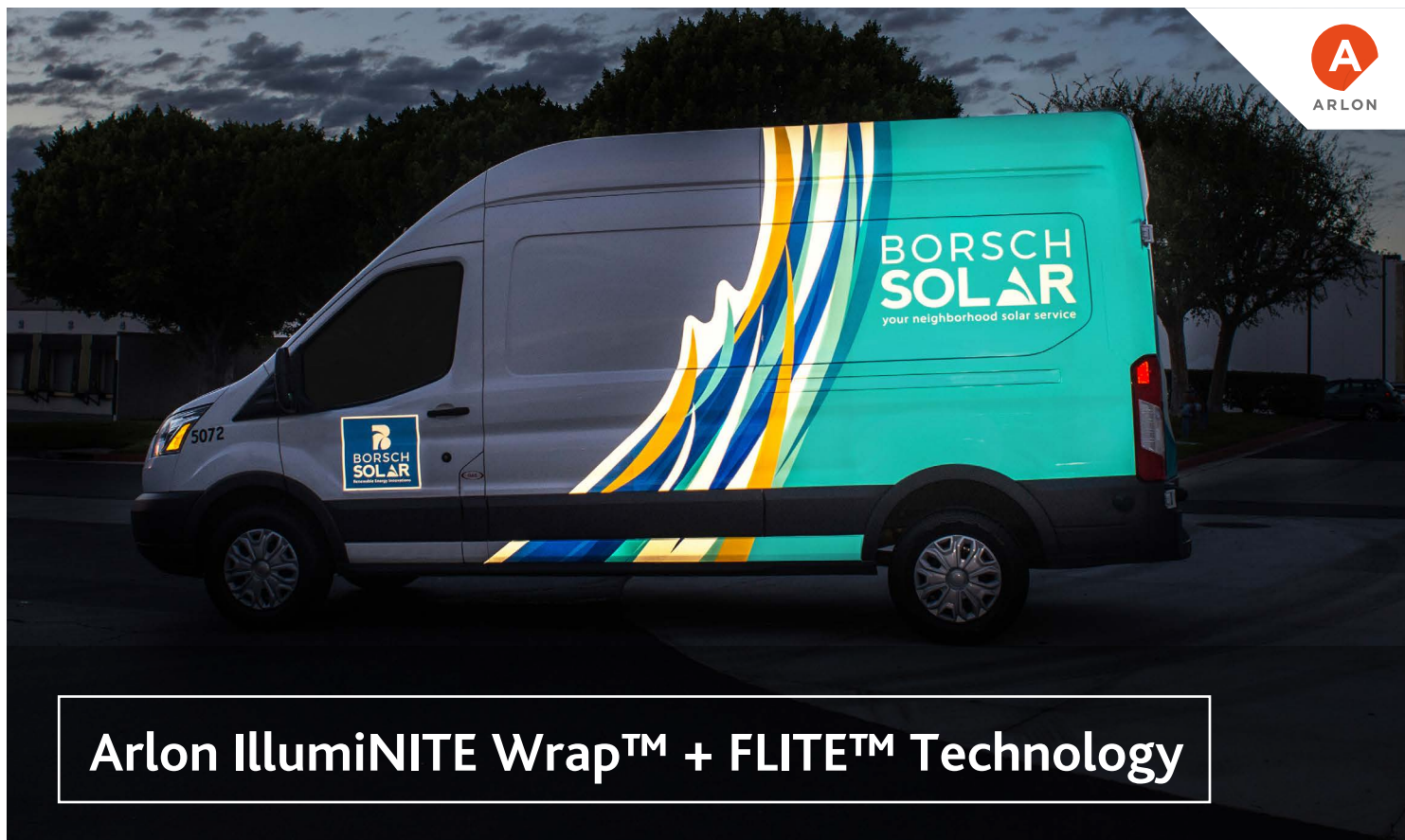
Key Features:

- Cast PVC
- 9 year durability
- Internal, external use
- 165 micron
- Clear, removable adhesive



FILMS FOR DIGITAL PRINT

REFLECTIVE



Arlon IllumiNITE Wrap™ + FLITE™ Technology

A digital print reflective vinyl film featuring FLITE Technology, which allows for exceptional repositionability and easily conforms to irregular surfaces and glides over smooth surfaces.

Key Features:

- Cast PVC
- Up to 7 year durability
- External use
- 125 micron
- Light grey, permanent adhesive

Code/Colour:

IllumiNITE White Reflective with FLITE™ Technology

Recommended Overlaminate:

3220, 3210

 MIN. APPLY TEMPERATURE	 POST HEATING TEMPERATURE	 Repositionable / FLITE™ Technology	 Single Step RECESS TYPE
ADHESIVE TYPE			

FILMS FOR DIGITAL PRINT

NON-PVC

3M

3M™ Envision™ Print Wrap Films 480mC

A Non-PVC digital printing film, ideal for long term applications on smooth surfaces. It's highly conformable over compound curves, corrugations, deep channels and rivets.

Key Features:

- Non-PVC polymer
- 12 year durability
- Internal, external use
- 50 micron
- Grey, permanent adhesive

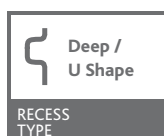
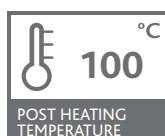
Code/Colour:

LX480mC Gloss White Micro Comply™

SV480mC Gloss White Micro Comply™

Recommended Overlaminate:

8548G, 8549L



FILMS FOR DIGITAL PRINT

NON-PVC



Avery Dennison SP 1504 Easy Apply

A NEW premium digitally printable film that is PVC-free, a more environmentally friendly choice that delivers high performance. Excellent printability delivers stunning colours, it is highly conformable and repositionable, including corrugations, curves and rivets.

Key Features:

- PVC-free
- Up to 10 years durability unprinted
- Internal, external use
- 60 micron
- Permanent, grey acrylic-based adhesive

Code/Colour:

SP 1504 EA Gloss White PVC-free Easy Apply

SP 1504 EA/DOL 6460

Recommended Overlamine:

DOL 6460

 MIN. APPLY TEMPERATURE	 POST HEATING TEMPERATURE	 Repositionable / Easy Apply ADHESIVE TYPE	 Deep / U Shape RECESS TYPE
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HINTS & TIPS

Outgassing...

Why should I outgas?

Solvents still within the prints will cause the film to feel tacky when applying. Solvents soften the adhesive, removing any adhesive benefits. Once the graphic is applied, the solvent continues to soften and weaken the adhesive. Be careful with edges and recesses, where the adhesive is weakened and no longer able to adhere, causing the film to 'pop' from the recess.

How should I outgas?

Outgassing is the process of removing solvents from the printed graphic. Prior to lamination, prints should be left at 23°C, for a minimum of up to 48 Hours. Images with dense colours may need more time. There should be a constant flow of air over the graphics to ensure the solvent is moved away from the face. As solvent is heavier than air, it will not move unless aided from airflow.

Top Tip: Hang panels like washing or use drying cabinets.

Post Heating...

Why should I post heat?

Post heating speeds up the process of adhesive flow and helps reach maximum adhesive bond over a short amount of time.

How should I post heat?

Post heating must be done after each panel is completed using a digital thermometer for accurate temperatures. Always remove the heat gun from the area you're measuring, heat and measure every 3-4 inches referring to product bulletins for recommended temperatures. Use a small channel roller in the recesses.



FILMS FOR COLOUR CHANGE



3M™ Wrap Film Series 1080

A range of premium cast, dual layer films designed for solid colour vehicle detailing and full wraps. Features Controltac and Comply Technology, suitable for flat and moderately curved surfaces.

Key Features:

- Cast PVC
- 6 year durability
- External use
- 90 micron
- Grey, permanent adhesive

18-22 °C <small>MIN. APPLY TEMPERATURE</small>	100+ °C <small>POST HEATING TEMPERATURE</small>	<small>Controltac™ / Comply™</small> <small>ADHESIVE TYPE</small>	<small>Single Step</small> <small>RECESS TYPE</small>
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FILMS FOR COLOUR CHANGE

Gloss	1080-G251 Gloss Sterling Silver	1080-G364 Gloss Fiery Orange	1080-G46 Gloss Kelly Green	1080-GP258 Gloss Plum Explosion	1080-G336 Gloss Green Envy	1080-G344 Gloss Liquid Copper	1080-G348 Gloss Fierce Fuchsia	1080-G356 Gloss Atomic Teal	1080-G363 Gloss Dragon Fire Red
	1080-G377 Gloss Cosmic Blue	1080-G378 Gloss Blue Raspberry	1080-G337 Gloss Blue Fire	1080-G120 Gloss White Aluminium	1080-G201 Gloss Anthracite				
Gloss Metallic			1080-G211 Gloss Charcoal Metallic						
Brushed Metal			1080-BR217 Brushed Steel Blue						
Flip			1080-GP287 Flip Electric Wave						

*Phasing to 2080, available until stock exhausted

FILMS FOR COLOUR CHANGE

3M

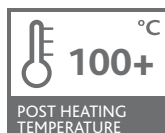
3M™ Wrap Film Series 2080

A NEW multi-layer 3D conformable cast self-adhesive film for solid colour wraps. Gloss colours have a clear protective film layer to help prevent scratching on installation.

Key Features:

- Cast PVC
- Up to 8 year durability
- External use
- 90 micron
- Grey, permanent adhesive

*Four New
High Gloss
Colours!*



FILMS FOR COLOUR CHANGE

Gloss



2080-G10
Gloss White

2080-G15
Gloss Bright
Yellow

2080-G79
Gloss Light
Ivory

2080-G16
Gloss Light
Green

2080-G13
Gloss Hot Rod
Red

2080-G25
Gloss Sunflower

2080-GP282
Gloss Ember
Black

2080-G83
Gloss Dark Red

2080-G12
Gloss Black

2080-G14
Gloss Burnt
Orange

2080-GP292
Gloss Galaxy
Black

2080-GP240
Gloss White
Gold Sparkle

2080-G53
Gloss Flame
Red

2080-GP272
Gloss Midnight
Blue

2080-GP298
Gloss Wicked

2080-G55
Gloss Lucid
Yellow

2080-G54
Gloss Bright
Orange

2080-G103
Gloss Hot Pink

2080-G24
Gloss Deep
Orange

2080-G31
Storm Grey

2080-G47
Gloss Intense
Blue

2080-G77
Gloss Sky Blue

2080-G127
Gloss Boat
Blue

2080-GP99
Gloss Black
Rose

High Gloss



2080-HG31
High Gloss
Storm-Grey

2080-HG77
High Gloss
Sky Blue

2080-HG12
High Gloss
Black

2080-HG13
High Gloss
Hot Rod Red

Gloss Metallic



2080-G203
Gloss Red
Metallic

2080-G212
Gloss Black
Metallic

2080-G217
Gloss Deep
Blue Metallic

2080-G227
Gloss Blue
Metallic

Matt



2080-M10
Matt White

2080-M22
Matt Deep
Black

2080-M13
Matt Red

2080-M12
Matt Black

2080-M26
Matt Military
Green

2080-M261
Matt Dark Gray

2080-M27
Matt Indigo

2080-M21
Matt Silver

2080-M230
Matt Grey
Aluminum

2080-DM12
Dead Matt Black

Matt Metallic



2080-M203
Matt Red
Metallic

2080-M206
Matt Pine
Green Metallic

2080-M209
Matt Brown
Metallic

2080-M211
Matt Charcoal
Metallic

2080-M227
Matt Blue
Metallic

2080-M212
Matt Black
Metallic

2080-M217
Matt Slate Blue
Metallic

Brushed Metal



2080-BR120
Brushed
Aluminium

2080-BR201
Brushed Steel

2080-BR212
Brushed Black
Metallic

2080-BR230
Brushed
Titanium

Satin



2080-SP10
Satin Pearl
White

2080-SP242
Satin Gold Dust
Black

2080-S12
Satin Black

2080-S10
Satin White

2080-SP240
Satin Frozen
Vanilla

2080-S196
Satin Apple
Green

2080-SP273
Satin Vampire
Red

2080-S57
Satin Key West

2080-S261
Satin Dark
Grey

2080-S271
Satin
Thundercloud

2080-S51
Satin Battleship
Grey

2080-S120
Satin White
Aluminium

2080-S327
Satin Ocean
Shimmer

2080-S335
Satin Bitter
Yellow

2080-S347
Satin Perfect
Blue

2080-S363
Satin
Smouldering
Red

Carbon Fibre



2080-CFS12
Carbon Fibre
Black

2080-CFS201
Carbon Fibre
Anthracite

Flip



2080-GP281
Gloss Flip
Psychedelic

2080-SP280
Satin Flip Ghost
Pearl

2080-GP278
Gloss Flip Deep
Space

2080-SP236
Satin Flip
Volcanic Flare

2080-SP281
Satin Flip
Psychedelic

2080-MX12
Matrix Black

2080-SB12
Shadow Black

2080-GP280
Gloss Flip Ghost
Pearl

FILMS FOR COLOUR CHANGE



Avery Dennison® Supreme Wrapping™ Film

A large range of premium cast, dual layer films for solid colour vehicle detailing and full wraps. Features Easy Apply Technology with excellent conformability on concave and convex shapes including deep channels.

Key Features:

- Cast PVC
- Up to 12 year durability
- External use
- 80 micron
- Clear permanent adhesive

Global raw material supply issue improved. Extended lead time on minimal colours.

 MIN. APPLY TEMPERATURE	 POST HEATING TEMPERATURE	 Easy Apply™ / Repositionable and Slideable	 Deep / U Shape
ADHESIVE TYPE			RECESS TYPE

Satin Metallic



SWF 262
Satin Metallic
Acid Green

SWF 952
Satin Metallic
Dark Blue

SWF 971
Satin Metallic
Dove Grey

SWF 978
Satin Metallic
Graphite

SWF 955
Satin Metallic
Grey Blue

SWF 934
Satin Metallic
Hans Brown

SWF 933
Satin Metallic
Light Brown

SWF 977
Satin Metallic
Light Grey

SWF 821
Satin Metallic
Energetic Yellow

SWF 931
Satin Metallic
Stunning Orange

SWF 961
Satin Metallic
Hope Green

SWF 981
Satin Metallic
Blissful Purple

SWF 962
Satin Metallic
Lively Green

SWF 957
Satin Metallic
Cool Teal

SWF 972
Satin Metallic
Space Silver

SWF 911
Satin Metallic
Black Rock Grey

Gloss
MetallicSWF 274
Gloss Metallic
SilverSWF 235
Gloss Metallic
GoldSWF 270
Gloss
Metallic
GreySWF 212
Gloss Metallic
BlackSWF 251
Gloss Metallic
Bright BlueSWF 231
Gloss Metallic
BrownSWF 250
Gloss Metallic
Dark BlueSWF 262
Gloss Metallic
Acid GreenSWF 273
Gloss Metallic
Quick SilverSWF 065
Gloss Metallic
RadioactiveSWF 241
Gloss Metallic
Passion RedSWF 281
Gloss Metallic
Fun PurpleSWF 252
Gloss Metallic
Mysterious
IndigoSWF 213
Gloss Metallic
Mystery BlackSWF 275
Gloss Metallic
Pride Prismatic
Grey

Pearl

SWF 561
Pearl
Light GreenSWF 562
Pearl Dark
GreenSWF 510
Pearl White

Gloss

SWF 058
Gloss Magnetic
BurstSWF 013
Gloss EclipseSWF 064
Light PistachioSWF 057
Sea Breeze BlueSWF 056
Smokey BlueSWF 022
Gloss
Ambulance
YellowSWF 061
Gloss Emerald
GreenSWF 062
Gloss Lime
GreenSWF 044
Gloss BurgundySWF 010
Gloss WhiteSWF 041
Gloss Soft RedSWF 021
Gloss Dark
YellowSWF 012
Gloss BlackSWF 020
Gloss YellowSWF 030
Gloss OrangeSWF 040
Gloss RedSWF 060
Gloss Dark
GreenSWF 054
Gloss Light BlueSWF 050
Gloss BlueSWF 051
Gloss Dark
BlueSWF 070
Gloss GreySWF 074
Gloss Rock
GreySWF 043
Gloss
Carmine RedSWF 042
Gloss
Cardinal RedSWF 063
Gloss Grass
GreenSWF 052
Gloss Indigo
BlueSWF 053
Gloss Intense
BlueSWF 073
Gloss Light
GreySWF 071
Gloss Dark
GreySWF 511
Gloss Pearl
White SnowSWF 059
Gloss
Aqua BlueSWF 818
Gloss
Obsidian Black

Matt

SWF 130
Matt OrangeSWF 112
Matt BlackSWF 110
Matt WhiteSWF 161
Matt Khaki
GreenSWF 170
Matt Dark GreySWF 162
Matt Olive
GreenSWF 150
Matt Blue

Diamond

SWF 721
Diamond
AmberSWF 750
Diamond BlueSWF 740
Diamond RedSWF 710
Diamond WhiteSWF 770
Diamond
Silver

Satin

SWF 445
Satin Bubblegum
PinkSWF 412
Satin BlackSWF 410
Satin WhiteSWF 462
Satin Khaki
GreenSWF 441
Satin Carmine
RedSWF 411
Satin Pearl
WhiteSWF 450
Satin Dark
BasaltMatt
MetallicSWF 333
Matt Metallic
BrownSWF 341
Matt Metallic
CherrySWF 342
Matt Metallic
Garnet RedSWF 345
Matt Metallic
PinkSWF 350
Matt Metallic
BlueSWF 354
Matt Metallic
Frosty BlueSWF 355
Matt Metallic
Night BlueSWF 358
Matt Metallic
PurpleSWF 361
Matt Metallic
Apple GreenSWF 362
Matt Metallic
EmeraldSWF 370
Matt Metallic
SilverSWF 372
Matt Metallic
GunmetalSWF 373
Matt Metallic
CharcoalSWF 351
Matt Metallic
Brilliant BlueSWF 374
Matt Metallic
GreySWF 363
Matt Metallic
Moss GreenExtreme
TextureSWF 612
Carbon Fibre
BlackSWF 622
Brushed BlackSWF 623
Brushed
AluminiumSWF 624
Brushed SteelSWF 625
Brushed
TitaniumSWF 630
Brushed
Bronze

ColorFlow

SWF 801
Fresh Spring
(Gold/Silver)SWF 802
Roaring Thunder
(Blue/Red)SWF 803
Rising Sun
(Red/Gold)SWF 804
Rushing
Riptide (Cyan/
Purple)SWF 805
Urban Jungle
(Silver/Green)SWF 811
Gloss Fresh
Spring (Gold/
Silver)SWF 812
Gloss Roaring
Thunder
(Blue/Red)SWF 813
Gloss Rising
Sun (Red/Gold)SWF 814
Gloss Rushing
Riptide
(Cyan/Purple)SWF 815
Gloss Urban
Jungle (Silver/
Green)SWF 816
Gloss
Lightening
RidgeSWF 817
Satin Lightening
RidgeSWF 819
Gloss Hidden
Forest (Grey/
Green)

FILMS FOR COLOUR CHANGE



A conformable cast film featuring FLITE Technology for fast, easy installation. The engineered liner includes invisible air channels, allowing for bubble free application. The specifically adapted protective film on gloss colours ensures the highest gloss level, guaranteed to stay in deep channels, curves and recesses.

Ten New Colours!

Key Features:

- Cast PVC
- Up to 10 year durability
- External use
- 76 - 84 micron
- Grey/Clear/White/Silver Permanent Adhesive

 MIN. APPLY TEMPERATURE	 POST HEATING TEMPERATURE	 FLITE, Clean Removing, Repositionable ADHESIVE TYPE	 Deep / U Shape RECESS TYPE
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FILMS FOR COLOUR CHANGE

Gloss

PCC-401
Gloss RedPCC-402
Gloss WhitePCC-403
Gloss BlackPCC-404
Gloss Black
MetallicPCC-405
Gloss Pearl
WhitePCC-406
Gloss Orange
NEW!PCC-408
Gloss Blue GreyPCC-410
Gloss Sand
Brown
NEW!PCC-411
Gloss Silver
MetallicPCC-412
Gloss Light
GreyPCC-413
Gloss GreyPCC-414
Gloss Berry
Blue
NEW!PCC-415
Gloss Khaki
Green
NEW!PCC-416
Gloss Charcoal
Metallic
NEW!PCC-418
Gloss Carmine
Red
NEW!PCC-419
Gloss Light Blue
NEW!PCC-421
Gloss Bright
Yellow
NEW!

Satin

PCC-452
Satin WhitePCC-453
Satin BlackPCC-454
Satin Charcoal
MetallicPCC-455
Satin Pearl
White

Matt

PCC-456
Matte
Berry Blue
Aluminium
NEW!PCC-503
Matt BlackPCC-505
Matt GreyPCC-506
Matte Military
Green
NEW!Matt
AluminiumPCC-551
Matt Aluminium
RedPCC-554
Matt Aluminium
Black RosePCC-555
Matt
Aluminium BluePCC-557
Matt Aluminium
PurplePCC-558
Matt Aluminium
Grey

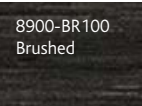
FILMS FOR COLOUR CHANGE

**3M™ Wrap Overlamine Series 8900**

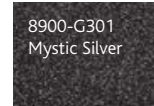
Specialty cast textured overlaminates offering combinations of colours and textures like never before with coloured or printed films. For use on 3M 1080 and 2080.

Key Features:

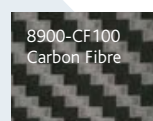
- Cast PVC
- 6 year durability
- External use
- 50- 90 micron
- Clear, solvent acrylic adhesive



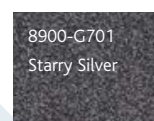
8900-BR100
Brushed



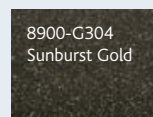
8900-G301
Mystic Silver



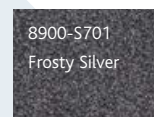
8900-CF100
Carbon Fibre



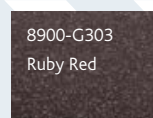
8900-G701
Starry Silver



8900-G304
Sunburst Gold



8900-S701
Frosty Silver



8900-G303
Ruby Red

FILMS FOR COLOUR CHANGE

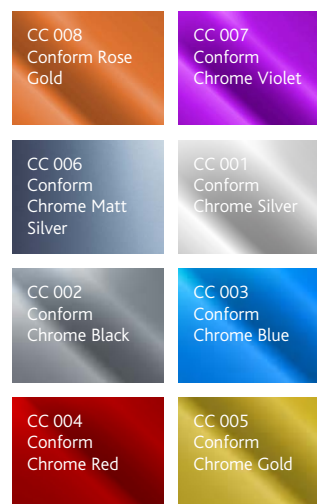


Avery Dennison® Conform Chrome

A premium quality semi-conformable film, features Easy Apply Technology, suitable for flat, concave and convex surfaces where chrome details are desired.

Key Features:

- Premium specialty film
- Up to 3 year durability
- External use
- 142 micron
- Removable adhesive



 MIN. APPLY TEMPERATURE	 POST HEATING TEMPERATURE	 Easy Apply™ / Repositionable and Slideable	 Shallow / Gentle Curves
ADHESIVE TYPE	RECESS TYPE		




FILMS FOR COLOUR CHANGE

SOTT**SOTT High Gloss Carbon Series**

A high-gloss, cast film with a realistic carbon fibre pattern, creating a 3D depth effect. Suitable for use in extreme forms including channels, with the pattern running diagonally.

Code/Colour:**OS-1917** Elemento 6 - High Gloss Carbon Fibre**Key Features:**

- Cast PVC
- 4 year durability
- Internal, external use
- 100 micron
- Grey, permanent adhesive

 10 °C	 100-110 °C	 Automotive-X	 convex & concave surfaces
MIN. APPLY TEMPERATURE	POST HEATING TEMPERATURE	ADHESIVE TYPE	RECESS TYPE

Caring for Your Vehicle Graphics...

Care for your vehicle graphics as you would any fine paint finish. Using high quality products designed specifically for car care, these cleaning and maintenance procedures will help keep your vehicle graphics looking their best.

1. Wash regularly

- Wash whenever the car appears dirty. Contaminants allowed to remain on the graphic may be more difficult to remove during cleaning.
- Rinse off as much dirt and grit as possible with water.
- Use a non-abrasive detergent such as VION Car Care Cleaner and a soft, clean cloth or sponge.
- Rinse thoroughly with clean water. To reduce water spotting, immediately use a silicone squeegee to remove water and finish with a clean microfibre cloth.

2. Automated car washes

- Brush-type car washes are not recommended as they can abrade the film and cause edges to lift or chip, as well as dulling the film's appearance. Brushless car washes are acceptable.

3. Pressure washing

- Although hand washing is the preferred cleaning method, pressure washing may be used, providing these conditions are strictly followed:
- Ensure the water pressure is kept below 2000 psi (14 MPa).
- Keep water temperature below 80°C (180°F).
- Use a spray nozzle with a 40 degree wide angle spray pattern.
- Keep the nozzle at least 300mm (1 foot) away from and perpendicular (at 90 degrees) to the graphic.
- Beware holding the nozzle of a pressure washer at an angle to the graphic, as it may lift the edges of the film.

4. Difficult contaminants

- Soften difficult contaminants such as bug splatter, bird droppings, tree sap and similar contaminants by soaking

them for several minutes with warm, soapy water as early as possible. Rinse thoroughly and dry.

- If further cleaning is needed, test one of these products in an inconspicuous area to ensure no damage to the graphics. Spot clean the contaminants.
- Do not use rough scrubbing or abrasive tools, which will scratch the film. Wash and rinse off all residue immediately.

5. Fuel spills

- Wipe off immediately to avoid degrading the vinyl and adhesive. Then wash, rinse and dry as soon as possible.

6. Polish and wax

- Most standard graphic films and overlaminates can be polished or waxed with a high quality car wax.
- Before use, test and approve in an inconspicuous area. Do not use any abrasive polishes or cutting compounds.
- 3M do not recommend any polishing or wax product for the matt or textured films.

7. Store indoors or under cover whenever possible

- Vinyl graphics (just like paint) are degraded by prolonged exposure to sun and atmospheric pollutants, particularly on the horizontal surfaces such as bonnet, boot lid and roof.
- Whenever possible, store in a garage or at least in a shaded area during the day. At night protect the car from dew or rain, which may contain acidic pollutants (a common problem in many large metropolitan areas).
- When a garage is not available, consider using a cloth car cover at night. If your graphics start to discolour or turn brown (which is caused by acidic pollution), immediately remove the graphics from the vehicle to avoid staining the underlying paint.

FILMS FOR PROTECTION



FILMS FOR PROTECTION

3M™ VentureShield™

An optically clear coated urethane film that protects automotive paint finishes against stonechips and minor abrasions.

Key Features:

- Clear Coated Urethane
- 5 years durability
- External use
- 165 micron
- Clear, permanent adhesive
- Protects the most vulnerable surfaces on your vehicle from damage caused by stone chips, environmental elements, bugs, scratches and minor abrasions
- Easily applied to bumpers, headlights, wings, wingmirrors and bonnet edges
- Available in kit format for most vehicle types
- Warranted against yellowing or cracking

Avery Dennison® Pure Defense Series

Transparent protection appropriate for high impact areas. The film protects from damage such as stone chipping, scratches and everyday wear and tear.

Key Features:

- Clear PVC and PU films
- Up to 8 years durability
- External use
- 150 micron
- Clear, permanent adhesive

Code/Colour:

Pure Defense PU	Clear PU
Pure Defense PVC	Clear PVC

Avery Dennison® Supreme Protection Film Series

A high quality self-healing clear film that prevents damage from a range of challenges to vehicle paintwork.

Key Features:

- Cast-PVC
- Up to 10 years durability
- External use
- 1650 micron
- Clear, permanent adhesive

Code/Colour:

SPF-XI	High Gloss
SPF Matt	Matt Clear
SPF-X3	Clear Gloss

NEW
SPF-X3
added to the
Series

FILMS FOR WINDOW TINTS



Protemp™ Black Shade Series

A range of low cost non-metallised, dyed polyester automotive window tint films.

Key Features:

- Choice of charcoal shading levels
- Does not interfere with mobile phone, GPS or satellite radio reception
- Low cost dyed heat gain reduction technology
- Protection from the sun's heat and glare
- Sun Protection Factor of 100, blocking almost all UVA and UVB rays

Code/Colour:

BS 5
BS 15
BS 30
BS 45

3M™ Automotive Window Films Colour Stable Series

Range of durable, colour stable, scratch resistant window tint films.

Key Features:

- Choice of privacy levels and colours, manufactured with carbon pigments to give the most natural darkest looking finish
- Colour will not fade to purple over time
- Rejects heat and UV to reduce glare
- Guaranteed not to bubble or blister
- Scratch resistant coating aids long lasting durability

Code/Colour:

CS 5
CS 20
CS 35
CS 50

FILMS FOR WINDOW TINTS

3M™ Automotive Window Films Crystalline Series

High performance films, providing a combination of high visible light transmission, low visible light reflectivity and exceptionally high heat gain reduction capabilities.

Key Features:

- Virtually clear film
- Multi-layer metal free nano-technology
- Rejects more heat than darker films
- No communications or network interference

Code/Colour:

CR 40
CR 70
CR 90

3M™ Automotive Window Film Obsidian Series

A range of automotive sun control window films that reduce heat and block out UV light.

Key Features:

- Rejects up to 44% of the total solar energy coming through your windows to keep you cool and protect you from harmful UV rays
- Blocks up to 99% of UV light to provide a Total Sun Protection Factor of up to 1000
- Available in different tint levels that block up to 92% of visible light, providing increased privacy and protection of valuables

Code/Colour:

Obsidian 5
Obsidian 15
Obsidian 25
Obsidian 50

3M™ Scotchshield™ Automotive Security Series

Range of automotive window films combining sun control technology in a 100 micron safety film.

Key Features:

- Glass shatter and impact protection which provides a powerful deterrent to smash and grab theft
- Rejects heat from the sun and increases privacy
- Protect vehicle occupants from uncomfortable heat and glare
- Sun Protection Factor of over 100

Code/Colour:

SAS 5
SAS 20
SAS 35
SAS 50
SAS Clear

The Professional's Choice.

The difference is in the detail.

OUR WRAP TRAINING COURSES: VEHICLE WRAP TRAINING COURSE

A comprehensive two day course based in Barnard Castle, is perfect for beginners and also wrappers who would like to improve on their skills. It covers all the basic techniques to wrap an entire vehicle, using a range of branded digital and coloured wrap films, including 3M, Avery Dennison and Arlon.

The course is practical to give as much opportunity as possible to work with wrapping films on a variety of car and van panels, practicing techniques to approach recesses.


Our trainers Gill Harrison (Training and Application Manager, William Smith) and Mike Szwacki (3M, Avery Dennison and Arlon approved wrapper), will allow for plenty of one to one tuition and offer years of experience.

Included:

- Tool bag including essential wrapping tools
- Information pack
- Certificate of attendance
- Lunch and refreshments

Keep up to date with William Smith:

 @WilliamSmith1832

 @william_smith_1832

www.williamsmith.co.uk/vehicle-wrapping

ADVANCED VEHICLE WRAP TRAINING COURSE

A 2 day Advanced Vehicle Wrap Course based in Barnard Castle is exclusively available to experienced wrappers only.

The course jumps straight into advanced vehicle wrap techniques, focusing on door shuts, wing mirrors, door handles and the most difficult wheel arches on the roads right now.

Courses are limited to four attendees to ensure each delegate has the time and one-to-one tuition needed to not only learn, but perfect applications.

Additional content includes tight corners, trimming techniques, avoiding stretch discolouration and inlays, using a range of branded digital, reflective, coloured and chrome wrap films, from 3M, Avery Dennison and Arlon.

The practical, Advanced Vehicle Wrap Course is led by our hugely experienced trainers, Gill Harrison (Training and Application Manager, William Smith) and Mike Szwacki (3M, Avery Dennison and Arlon approved wrapper).

Have a specific application you'd like advice on? Simply let us know when you make your booking and Gill and Mike will be happy to cover it in the course.

To ensure that attendee skills are at the necessary level to tackle these advanced wrapping techniques, certain criteria is required. The expectation is that that they are confident enough to wrap a full vehicle and have at least two years' wrapping experience. Ideally, it is also preferred that attendees have completed a recognised vehicle wrap training course.

Visit williamsmith.co.uk/training for further details and dates of Academy courses or williamsmith.co.uk/brochures to download the Academy Training brochure.





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