Second Surface Graphics Printing
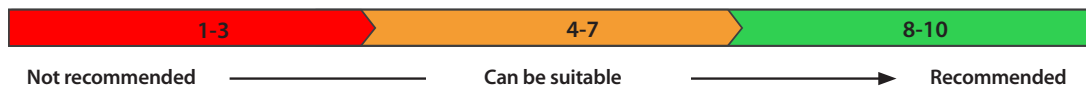
Choosing the right screen product

This simple How to Guide has been developed to help you select the best screen making products for use when screen printing the graphics layer on MacDermid Autotype Industrial films. This range of hardcoated films includes:

• Autotex textured Polyester films
• Autoflex hardcoated Polyester and Polycarbonate films

Recommendations:

The Autotype range of screen making products has been specifically formulated to work in conjunction with our hardcoated industrial films to give the best possible results. The colour coded tables below will help guide you to select the most appropriate products for each screen making stage.

KEY TO COLOUR CODING

1-3	4-7	8-10

Not recommended   Can be suitable   Recommended

Which Degreaser?

		Universal Mesh Prep	Auto Degreaser Concentrate 1:10	Auto Degreaser Concentrate 1:25
Format		Ready-to-use	Dilute with 10 parts water	Dilute with 25 parts water
Stencils	PLUS Emulsions	Yes	Yes	Yes
	Capillex Films	Yes	Yes	Yes

A well degreased screen is critical for long print runs. A few minutes spent preparing the screen will dramatically improve durability and prevent costly remakes.

Which Stencil?

		Emulsion		Capillary Film	
		PLUS 1-SR	PLUS 7000	Capillex CP	Capillex CX
Ink Compatibility	Solvent based screen ink	8	8	8	10
	UV curable screen ink	7	8	10	8
Emulsion colour		Blue	Blue	Blue	Blue
Chemistry		Photopolymer	Dual Cure	Diazo	Diazo
Solids		Medium 32%	Medium 35%	Film	Film
Mesh range		43-120/cm	43-120/cm	120-180/cm	55-120/cm
Exposure		Fast	Medium	Medium	Medium
Decoating		Easy	Medium	Easy	Easy

The stencil is the heart of the process and a good quality stencil can literally make the difference between a profit and a loss. Select the best stencil for your application based on the inks you are using and the type of printing you do.

Which Solvent?

		Screen Opener	Press Wash		Water Washable Solvent	
		Autosolve Press Wash AF	Autosolve Press Wash AF40	Autosolve Press Wash AF55	Autosolve Graphics	Autosolve Industrial AF
Ink Type	Solvent	10	10	10	10	10
	UV	10	10	10	10	10
Water dilutable		No	No	No	No	No
Evaporation		5	25	1	<1	1
Odour		Low	Low	Low	Low	Low
VOC		870g/litre	940g/litre	320g/litre	40g/litre	870g/litre
Flash point		32°C	44°C	57°C	>100°C	67°C
Biodegradable		Yes	Yes	Yes	Yes	Yes

Which Stencil Stripper?

		Autostrip Gel	Autostrip Concentrate 1:20
Format		Gel	Liquid
Processing		Ready-to-use	Dilute with 20 parts water
Stencils	PLUS Emulsions	Yes	Yes
	Capillex Films	Yes	Yes

Remove **Capillex** films and **PLUS** emulsion stencils quickly and easily with one of our **Autostrip** products. Choose from a gel or concentrate to meet your needs.

Which Haze Remover?

		Autokleen Plus	Quick Clean	Autohaze
Format		Used with Autosolve	Ready-to-use liquid	Ready-to-use paste
Type of Stains	Ink stains	9	8	10
	Stencil stains	8	4	10
	Diazo stains	8	4	10
Application		Overnight	Immediate	Immediate

A good haze remover is an essential tool for reusing screens many times and there are not many stains that cannot be removed with one of the **Autotype Haze Removers**.

Contact us today and see for yourself how our range of products can help you.

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