

SIGMAGraF - Hard Coated Ink Jet Films

PRODUCT DESCRIPTION & APPLICATIONS

SIGMAGraF hard-coated ink jet films from Autotype provide high quality graphics from large format ink jet printers using pigment and dye-based aqueous inks. SIGMAGraF films are used for the production of 'pop-up' and 'roll-up' display panels when laminated to the appropriate 'BackStop' backing film.

The textured and hard-coat finishes offer the utmost in protection from solvents and abrasion whilst eliminating the need to laminate the front surface. The resultant finish (textured or antiglare) renders an image of the highest reproduction quality as the image is printed directly and not viewed through adhesive as with standard lamination. In addition the Autotype hard coat finish ensures protection against accidental or wilful damage.

- Reverse-printed image gives excellent colour reproduction and brilliance.
- SIGMAGraF Plus has a 'universal' ink jet coating suitable for a wide range of pigment and dye-based inks. SIGMAGraF ink jet coating is optimised for dye-based inks to give the widest possible colour gamut.
- 'Textured Matt' and 'AntiGlare' hard-coat finishes give class-leading levels of durability and contain no fillers to reduce the brightness of images.

SIGMAGraF Technical Data

	SIGMAGraF Plus Textured Matt	SIGMAGraF Plus AntiGlare	SIGMAGraF Textured Matt	SIGMAGraF Plus Textured Matt WS
Application/compatibility	For a matt finish using dye & pigment aqueous inks	For a satin finish using dye & pigment aqueous inks	For a matt finish & the widest colour gamut using dye aqueous inks	Matt finish; plus coating for dye & pigment aqueous inks; white strips for edge recognition
Colour Reproduction	Excellent	Excellent	Excellent	Excellent
Print Definition	Excellent	Excellent	Excellent	Excellent
Drying Time	Good	Good	Good	Good
Layflat	Excellent	Excellent	Excellent	Excellent
Ink Adhesion	Good	Excellent	Good	Good
Dimensional Stability	Excellent	Excellent	Excellent	Excellent
Transmission OD	UV 0.09 Vis 0.03	UV 0.4 Vis 0.03	UV 0.09 Vis 0.03	UV 0.09 Vis 0.03
Gloss 60°	3-4%	110%	3-4%	3-4%
Thickness µ	160µ	140µ	160µ	160µ

NB The above are typical values.

Autotype reserve the right to change the specification without prior notification

Due to the wide range of ink jet printers and inks that are available performance results may vary. Customers are urged to conduct a test print on SIGMAGraF if either the ink or printer are changed. A full list of compatible printers, and ICC colour profiles for popular printers, can be found on the Autotype web site (www.autotype.com) in the SIGMAGraF product section. In line with good quality procedures customers are recommended to record lot numbers of SIGMAGraF and Backstop used for all display panels supplied.

WORKING INSTRUCTIONS & SAFE HANDLING

- Handle film at edges to avoid finger-print marks
- Print on the outer surface of the roll (media is wound emulsion/print side out)
- Reverse/flip your image before printing
- Do not stack or roll until the image is completely dry
- Always run a test print to ensure optimum performance when using a new media

HAZARDS

None associated with this product.

WARNINGS

None associated with this product.

FIRE PRECAUTIONS

Polyester films will burn with difficulty. Extinguisher method recommended - foam or water.

SPILLAGE

N/A

FIRST AID

No chemical related injury is anticipated from the use of this product.

SHELF LIFE & STORAGE

1 year when stored at 15/25°C and 50% relative humidity.

ENVIRONMENTAL/DISPOSAL

The range of products comprises films with a chemically treated surface which renders them difficult to recycle in normal PET recovery schemes. They do not, however, contain any heavy metals or materials which are ecotoxic, environmentally persistent, or listed on the EC Black or Grey lists, and may be safely landfilled or destroyed by authorised incineration.

Product Data

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PACKAGING

Availability of rolls (Supplied emulsion side out)	SIGMAGraF Plus Textured Matt	SIGMAGraF Plus AntiGlare	SIGMAGraF Textured Matt	SIGMAGraF Plus Textured Matt WS
914mm x 20m	X	X	X	X
914mm x 30m				X
914mm x 50m	X	X	X	
1040mm x 20m	X	X	X	
1040mm x 50m	X	X	X	
1210mm x 20m				X
1230mm x 20m	X	X	X	
1230mm x 50m	X	X	X	

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February 2003

Autotype International Limited Grove Road, Wantage, Oxon OX12 7BZ UK Tel +44 (1235) 771111 Fax +44 (1235) 771196 Emergency +44 (1235) 773163	Autotype Americas, Inc. 2050 Hammond Drive Schaumburg, Illinois 60173 Tel +1 847 303 5900 Fax +1 847 303 5225	Autotype International (Asia) Pte. Ltd. 20 Loyang Lane Singapore 508919 Tel +65 542 9998 Fax +65 542 9991
www.autotype.com		