

# Durable Display Films

**MacDermid**  
Autotype  
A Platform Specialty Products company



## SIGMAGraF UVJet AG<sup>2</sup> Product Data Sheet

### Antiglare Hard Coated Polyester Film

**SIGMAGraF UVJet AG<sup>2</sup>** Is a high performance, durable, hard coated polyester film with a smooth, Anti-Glare surface with Anti-Graffiti properties. It is supplied with a sub-surface primer for UV curing and Latex digital ink printing.

Typical Properties		
Property	Data	Test Method
Gardner Haze	9.5% ±3%	ASTM D1003-77 <sup>1</sup>
Gloss Level (60°)	50 ± 5	ASTM D2457-70 <sup>1</sup>
Total Luminous Transmission	92% ±2%	ASTM D1003-77 <sup>1</sup>
Yellowness Index	<3.5	ASTM D1925-70
Chemical resistance	Resistant to: Alcohols Dilute Acids Dilute Alkalis Esters Hydrocarbons Ketones Household Cleaning agents*	DIN 42 115
Pencil Hardness	2 - 3H	
Dimensional Stability	0.2% MD @ 120°C maximum shrinkage	MacDermid Method <sup>2</sup>
Anti-Graffiti Certification <sup>1</sup>	Tested to ASTM D-6578-00	
Typical Applications	<ul style="list-style-type: none"> <li>Glass screen and monitor protection</li> <li>In store decoration, cladding and POP displays</li> <li>Fascia, nameplates, industrial and design applications</li> <li>Visually demanding and durable display graphics</li> </ul> <p>Available in rolls 123cm x 50m</p>	

\* Further information refer to SIGMAGraF solvent resistance sheet

<sup>1</sup> Adapted to MacDermid Method.

<sup>2</sup> See Test Method Manual

Print and Process Guidelines		
Working Instructions	<ol style="list-style-type: none"> <li>1) Handle film at edge to avoid marking</li> <li>2) Reverse/flip your image before printing</li> <li>3) Do not stack or roll until image is completely cured/dry</li> <li>4) See SIGMAGraF insert for printing and cutting guidelines</li> <li>5) When using new media, run a print test to ensure optimum performance</li> </ol>	
SIGMAGraF Film	Sub surface print i.e. print on the underside	
Blue Film Laminate	Is applied to the print receptive surface of the SIGMAGraF UVJet AG <sup>2</sup> and needs to be removed before printing.	
Film Winding	SIGMAGraF is wound print receptive side in therefore the hard coat side is on the outside of the roll.	
UV Curing Ink Jet ink Laydown Settings (for guidance only)  Specific trials need to be undertaken to determine best settings for printer, ink and substrate combination	For lamination to another film substrate e.g. FootPrint white adhesive	100% ink laydown
	As a back lit film	300% ink laydown
UV curing inks can take between 12 - 48 hours to reach maximum cure thus maximum adhesion to the SIGMAGraF film		

**Shelf Life**

2 years when stored in original packaging, in a cool (18-25°C) dry place (40-60% relative humidity), away from direct sunlight / UV light source.

The information and recommendations in this publication are believed to be accurate and are offered in good faith but do not constitute specifications. Suggestions concerning uses and applications are only the opinion of MacDermid Autotype Limited and users should carry out their own testing procedures to confirm suitability for their purposes. Except in the case of death or personal injury caused by the materials, MacDermid Autotype Limited MAKES NO WARRANTY OF ANY KIND AND EXCLUDES ANY STATUTORY WARRANTY EXPRESS OR IMPLIED other than that materials conform to their current applicable standard specification. Statements herein therefore should not be construed as guarantees of satisfactory quality or fitness for purpose. The responsibility of MacDermid Autotype Limited for claims arising out of breach of guarantee, negligence, strict liability or otherwise is limited to the purchase price of the material. Suggestions concerning working practices and procedures are based on the practices adopted by existing users of the products and are made in good faith. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT ALL RELEVANT HEALTH AND SAFETY LAWS AND REGULATIONS ARE COMPLIED WITH. MacDermid Autotype Limited does not provide any advice on such laws and regulations and accepts no responsibility, express or implied, for breach of such regulations. Statements concerning the use of products described herein should not be construed as recommending the infringement of any patent and no liability for infringement arising out of such use is assumed.

SIGMAGraF® and FootPrint® are registered trademarks of MacDermid Autotype Ltd  
 ©2015 MacDermid Autotype Ltd. All rights reserved.



MacDermid Autotype Ltd  
 Grove Road, Wantage, Oxon OX12 7BZ, UK  
 Tel: +44 (0) 1235 771111 Fax: +44 (0) 1235 771196

MacDermid Autotype Inc.  
 1675 Winnetka Circle  
 Rolling Meadows, IL 60008, USA  
 Tel: +1 847-818-8262 Fax: +1 847-818-8280  
 Toll Free 800-323-0632

MacDermid Autotype Pte Ltd  
 No. 20 Tuas Avenue 6, Singapore 639307  
 Tel: +65 689 79670 Fax: +65 686 31025

[www.macdermidautotype.com](http://www.macdermidautotype.com)