

# Durable Display Films

**MacDermid**  
Autotype  
A Platform Specialty Products company



## SIGMAGraF UVJet HG Product Data Sheet

### High Gloss Hard Coated Polyester Film

**SIGMAGraF UVJet HG** is a high performance, durable, hard coated 180µ polyester film with a smooth, high gloss surface. It is supplied with a sub-surface primer for UV curing and Latex digital ink printing.

Typical Properties		
Property	Data	Test Method
Gardner Haze	<2 %	ASTM D1003-77 <sup>1</sup>
Gloss Level (60°)	96 ± 2	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>• In store decoration, cladding and POP displays</li> <li>• Fascia, nameplates, industrial and design applications</li> <li>• Indoor signage in high traffic areas</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	1) Handle film at edge to avoid marking 2) Reverse/flip your image before printing 3) Do not stack or roll until image is completely cured/dry 4) See SIGMAGraF insert for printing and cutting guidelines 5) When using new media, run a print test to ensure optimum performance	
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 HG 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.

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