

SIGMAGRAF UVJET AG²

Product Data Sheet

Antiglare, Anti-graffiti, Hardcoated Polyester Film



DESCRIPTION

SIGMAGraF UVJet AG² is a high performance, durable, hardcoated polyester film with a smooth antiglare finish. The film is designed for graphics applications where excellent flexibility, chemical resistance and abrasion resistance are required. It is supplied with a sub-surface primer for UV curing and Latex digital ink.

SIGMAGraF UVJet AG² is available in rolls 123cm x 50m



TYPICAL APPLICATIONS

- Hoardings, signage and interiors.
- Visually demanding and durable display graphics.
- In-store decoration and cladding.
- Retail graphics and POP displays.
- Industrial fascias, nameplates and design applications.
- Indoor signage in high-traffic areas.
- Exhibition and museum graphics and displays.
- Building and architectural graphics.
- Schools, hospitals and corporate display graphics.

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.



PRINT AND PROCESS GUIDELINES

Operation	Instruction	
Working instructions	Handle film at edge to avoid marking Do not stack or roll until image is completely cured/dry - UV curing inks can take between 12 - 48 hours to reach maximum cure thus maximum adhesion to the SIGMAGraF film. When using new media, run a print test to ensure optimum performance	
Printing	See SIGMAGraF insert for printing and cutting guidelines Sub surface print i.e. print on the underside Reverse/flip your image 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 ¹	For lamination to another film substrate	100% ink laydown
	As a backlit film	300% ink laydown

¹ For guidance only - specific trials need to be undertaken to determine best settings for printer, ink and substrate combination

TYPICAL PROPERTIES

Property	Data	Test Method
Haze ¹	9.5% ±3%	ASTM D1003
Gloss level (60°) ¹	50 ± 5 Gloss Units	ASTM D2457 (modified to test method 022)
Total luminous transmission ¹	92% ±2%	ASTM D1003
Yellowness index ³	<3.5	ASTM E313
Dimensional stability ³	0.2% MD @ 120°C maximum shrinkage	Test method 094
Hardcoat Adhesion ³	Pass	Test method 080
Anti-Graffiti performance ¹	Pass	ASTM D-6578-00
Pencil hardness ⁴	2-3H	Test method 058
Chemical resistance	Please refer to SIGMAGraF Solvent Resistance Data Sheet	

¹ For details of test method, please contact MacDermid Autotype

² Data derived from base film manufacturer's literature. The coating slightly enhances most properties

³ Specification value

⁴ For more information, please refer to MacDermid Autotype's statement on pencil hardness testing

Note: The term polyester is the generic term for a number of different polymers, of which polyethylene terephthalate (PET) is the most common. PET is used in MacDermid Autotype High Performance Film Systems polyester film products.



CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Autotype
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