

3 Series Ink Primer

Technical Information Sheet

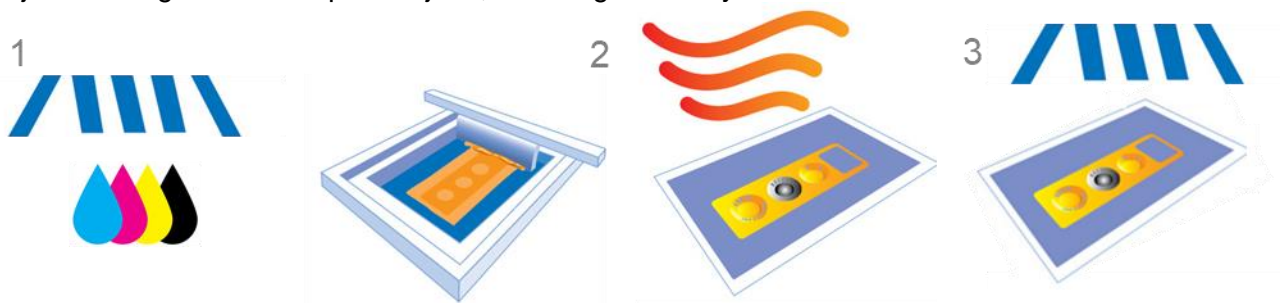
New ink primer for 3 ink types



PRODUCT DESCRIPTION

3-Series ink primer has been developed to promote ink adhesion to hardcoated polyester* films. Hardcoated polyester films make excellent substrates for human machine interface (HMI), membrane touch switches, fascias and graphic overlays for industrial and consumer electronics because they are durable and resistant to a wide range of chemicals. This resistance means an ink primer is required for inks to adhere. **3-Series ink primer** has been designed for ink adhesion of the 3 main ink types used in these markets: Solvent based and UV curable screen printing inks and UV curable inkjet.

3-Series ink primer means that the same film can be used for inkjet prototypes, short run inkjet and long run screen printed jobs, reducing inventory.



3-Series ink primer is an addition to the existing ink primer range

Ink Type	Primer			
	3-Series	0-Series	7-Series	DP
Solvent based screen printing ink	Excellent	Excellent	Generally good	Not suitable
UV curable screen printing ink	Excellent	Good for some inks	Excellent	Not suitable
UV curable inkjet inks	Excellent	Generally good	Limited adhesion for flat applications only	Not suitable
HP Indigo	Not suitable	Not suitable	Not suitable	Excellent

* The term polyester is the generic term for several different polymers, of which polyethylene terephthalate (PET) is the most common.



PRODUCT RANGE

Range name	Finish	Product		
Autoflex EB gloss and antiglare hardcoat with green laminate on the ink primer	Gloss	G133L	G183L	G253L
	Antiglare	A133L	A183L	A253L
Autotex textured hardcoat	Fine	F153	F203	F283
	Velvet	V153	V203	V283
	Touch	T153	T203	
Autotex Steel textured hardcoat	Steel	S153	S203	
Autotex AM antimicrobial, fine textured hardcoat with white laminate	Touch	T153L		
Autotex XE outdoor suitable	Fine	XE F153	XE F203	
	Velvet	XE V153	XE V203	XE V283
Autotex Softouch soft feel coating with green laminate	Softouch	ST153L	ST203L	



INKS

The following inks have been tested at MacDermid Enthone Industrial Solutions laboratories. Ink adhesion testing carried out according to TSAWP 042.

Ink type	Ink Manufacturer	Ink name (digital printer)
UV curable, inkjet ink	Marabu	Maqua® Jet DA-RGO (Roland VS-300iS-GO)
	Sericol	KA* (Acuity Select 28) KN* (Acuity HS 38)
	Océ	IJC 357 LED
	Roland	EUV4
	Sun Chemical	Sunjet Crystal (SwissQ Impala)
	Mimaki	LUS 120 (Mimaki JFX200-2513)
Solvent based, screen printing ink	Marabu	Marastar SR Maraswitch
	Sericol	Polyplast PY
	Sun Chemical	Vynaglaze
	Coates	HG
	Nazdar	GV 8800
UV curable, screen printing ink	Marabu	Ultraswitch
	Nor-cote	IM PTX MSK
	Sun Chemical	PD
	EPTA	UV Tech
	Nazdar	3400

* Sericol in house testing

SHELF LIFE & STORAGE CONDITIONS

The recommended shelf life is 36 months from date of manufacture. MacDermid Enthone Industrial Solutions guarantee a minimum remaining shelf life of 8 weeks at the time of despatch.

The recommended shelf life represents the maximum processing life time of the product from the date of manufacture when stored correctly and in unopened packaging.

The following storage conditions are recommended:

Storage Conditions	
Temperature	15 °C to 25 °C
Relative Humidity	50 to 65%
Packaging	Store in original protective packaging Once the packaging has been opened, the processing lifetime can be compromised due to air ingress, contamination or UV light
Moisture	Store away from water sources
Chemicals	Keep away from aggressive solvents



IMDS ID-No

By arrangement with our regulatory affairs team

SAFETY & WARNING

MacDermid Enthone Industrial Solutions recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermid Enthone Industrial Solutions.

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermid Enthone Industrial Solutions for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

CONTACT INFORMATION

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