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Introduction

In cooperation with major European ink manufacturers, a test program has been conducted to select the appropriate inks in current market for Avery graphics products.

The tests were conducted by the ink manufacturers, while the Avery graphics materials were provided by Avery Dennison Graphics Europe.

Ink key test methods

The ink anchorage has been tested by means of nail scratch test and cross hatch tape test, two well known methods used for assessing the ink key. Only the inks which passed both tests have been listed.

Related Technical information

For the detailed information of Avery products listed in this Technical Bulletin, please refer to the respective datasheet.

Suggestions

Confirmatory tests are recommended before proceeding with the print run.

The information in this Technical Bulletin can only be considered as a guide: as process conditions may vary, the ink recommendations cannot be seen as a guarantee.

We are fully aware that this information may not be 100 % complete, but we trust it can be useful for screenprinters to understand which inks are compatible with the films to be used.

For further information about the inks, please contact ink suppliers in the list or consult the technical information on the respective websites.



Ink Suppliers

Coates Screen

Cray Avenue
ST Mary Cray
Orpington
KENT BR5 3TT
UK
Tel: +44 1689 899630
Fax: +44 1689 829404

Coates Screen Ink GmbH

Wiederholdplatz 1
D-90451 Nurnberg
Germany
Tel:+49 911 6422-0
Fax: +49 911 6422200

Argon S.r.l.

Strada Statale 234
20084 Ospedaletto Lodigiano(LO)
Italia
Tel: +39 377 960300
Fax: +39 377 974020

Encres Dubuit

1 rue Isaac Newton
Z.I. Mitry Compans
77292 Mitry Cedex
France
Tel: +33 1 64 67 41 60
Fax: +33 1 64 67 41 89

Marabuwerke GmbH & Co.

Asperger Straße 4
D-71732 Tamm
Germany
Tel: +49 7141 691140
Fax: +49 7141 691169

Printcolor Screen AG

Siebdruckfarben
CH-8965 Mutschellen
Switchland
Tel: +41 56 6311261
Fax: +41 56 6336022



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Farbenfabrik Pröll

Postfach 429
Treuchtlinger Str. 29
D-8832 Weißenburg i. Bay
Germany
Tel: +49 9141 90652
Fax: +49 9141 90649

Sericol International Limited

Pysons Road, Broadstairs
Kent CT10 2LE
UK
Tel: +44 1843 866668
Fax: +44 1843 872068

Sun Chemical

Carretera de la Cantera – s/n
48950 ASUA-ERANDIO(Vizcaya)
Apartado 546 48080 BILBAO
Spain
Tel: +34 94 4711100
Fax: +34 94 4711182

Visprox B.V.

Grijpensteinweg 19
P.O. Box 175
2000 AD Haarlem
The Netherlands
Tel: +31 23 5248131
Fax: +31 23 5240638



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Screen Ink recommendation for Avery Perforated Window Film(PWF)

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	HG
Coates(UK)	Solvent ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR, Libraspeed LIS Libragloss LIG, Libraprint LIP
	UV Ink	Ultrafleet UVFL
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	384, 386, 388
	UV Ink	562, 569
Pröll(D)	Solvent Ink	Thermo-jet 312, PUR-ZK 312 Norijet S 312
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100
SERICOL (UK)	Solvent Ink	Polyplast PY, Plastijet TG, Mattplast MG
	UV Ink	Uviplast UP, Omniplus UL, Hiflex ES



Ink Recommendation for Avery 180 Solid Foil

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, HG, J, SG, PK-Jet, PF/N50 YN/N50, LAB-N111508/N50
	UV Ink	UVN
Coates(UK)	Solvent ink	Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent ink	Marastar SR, Libraspeed LIS Libragloss LIG, Libraprint LIP
	UV ink	Ultraplus UVP, Ultrastar UVS
Printcolor(CH)	Solvent Ink	386, 650
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Pröll(D)	Solvent Ink	PUR-ZK 948
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100
SERICOL (UK)	UV ink	Uviplast UP, Omniplus UL



Ink Recommendation for Avery 6700 Series

Avery 6700 series includes the following products:

Avery 6702, Avery 6703, Avery 6722, Avery 6723, Avery 6742, Avery 6743

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, CP, HG, J, SG PK-Jet, Z/PVC(10:1)
	UV Ink	UVN, UVP, FLX OPUS
Coates(UK)	Solvent Ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR, Libraspeed LIS
	UV Ink	Ultrafleet UVFL
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	384,386,388
	UV Ink	569
Pröll(D)	Solvent Ink	Thermo-jet 312, PUR-ZK 312 Norijet S 312
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100
SERICOL (UK)	Solvent Ink	Polyplast PY, Plastijet TG, Mattplast MG,
	UV Ink	Uviplast UP, Omniplus UL, Hiflex ES, Multiflash UZ



Ink Recommendation for Polyester Series

Polyester series includes the following products:

Avery 710 Polyester, Avery 711 Polyester, Avery 750 Embossing and Avery 772 Brushed Chrome

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, CP, HG, J, SG PK-Jet, Z/PVC(10:1)
	UV Ink	UVN, UVP, FLX OPUS
Coates(UK)	Solvent Ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR, Libraspeed LIS Libragloss LIG, Libraprint LIP
	UV Ink	Ultrafleet UVFL
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	320,386, 650
Pröll(D)	Solvent Ink	Thermo-jet 312, PUR-ZK 312 Norijet S 312
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100
SERICOL (UK)	Solvent Ink	Polyplast PY, Seristar SX



Ink Recommendation for Avery Coverall

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, CP, HG, J, SG PK-Jet, Z/PVC(10:1)
	UV Ink	UVN, UVP, FLX OPUS
Coates(UK)	Solvent Ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR, Libraspeed LIS Libragloss LIG, Libraprint LIP
	UV Ink	Ultrafleet UVFL
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	320,384,386,388
	UV Ink	569
Pröll(D)	Solvent Ink	Thermo-jet 312, PUR-ZK 312 Norijet S 312
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100
SERICOL (UK)	Solvent Ink	Polyplast PY, Plastijet TG, Mattplast MG,
	UV Ink	Uviplast UP, Omniplus UL, Hiflex ES, Multiflash UZ



Ink Recommendation for Fascal 2920 QM Ultra-destructible

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, CP, HG, J, SG PK-Jet, Z/PVC(10:1)
	UV Ink	UVN, UVP, FLX OPUS
Coates(UK)	Solvent Ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR, Libraspeed LIS
	UV Ink	Ultrafleet UVFL
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	384,386, 388
	UV Ink	569
Pröll(D)	Solvent Ink	Thermo-jet 312,PUR-ZK 312 Norijet S 312
	Solvent Ink	VL 8000, TCI 8700, AMI 8800
Visprox(NL)	Solvent Ink	Uvinyl 9100
	UV Ink	
SERICOL (UK)	Solvent Ink	Polyplast PY, Plastijet TG, Mattplast MG,
	UV Ink	Uviplast UP, Omniplus UL, Hiflex ES, Multiflash UZ



Ink Recommendation for Avery 400 Series

Avery 400 series includes the following products:

Avery 400, Avery420 and Avery 440

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, CP, HG, J, SG PK-Jet, Z/PVC(10:1)
	UV Ink	UVN, UVP, FLX OPUS
Coates(UK)	Solvent Ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR Libraspeed LIS Libragloss LIG Libraprint LIP
	UV Ink	Ultrafleet UVFL, UVS
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	320,384,386,388
	Water Based Ink	420
	UV Ink	569
Pröll(D)	Solvent Ink	Thermo-jet 312, PUR-ZK 312 Norijet S 312
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100
SERICOL (UK)	Solvent Ink	Polyplast PY, Plastijet TG, Mattplast MG,
	UV Ink	Uviplast UP, Omniplus UL, Hiflex ES, Multiflash UZ



Ink recommendation for Avery 800 Series

Avery 800 series includes the following products:

Avery 820, Avery 840, Avery 890, Avery 895, Avery 1800, Avery 1820 and Avery 1840

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, CP, HG, J, SG PK-Jet, Z/PVC(10:1)
	UV Ink	UVN, UVP, FLX OPUS
Coates(UK)	Solvent Ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR, Libraspeed LIS
	UV Ink	Ultrafleet UVFL
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	384,386,388
	UV Ink	562, 569
Pröll(D)	Solvent Ink	Thermo-jet 312, PUR-ZK 312
SERICOL (UK)	Solvent Ink	Norijet S 312 Polyplast PY, Plastijet TG, Mattplast MG,
	UV Ink	Uviplast UP, Omniplus UL, Hiflex ES, Multiflash UZ
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100



Ink Recommendation for Avery 900QM Series

Avery 900QM series includes the following products: Avery 4900, Avery 5900, Avery 6902, Avery 6903, Avery 6942, Avery 6943, Avery 6905, Avery 900QM, Avery 901QM and Avery 940QM

Ink Supplier	Ink type	Ink series
Coates(D)	Solvent Ink	CX, CP, HG, J, SG PK-Jet, Z/PVC(10:1)
	UV Ink	UVN, UVP, FLX OPUS
Coates(UK)	Solvent Ink	Vynafresh 46-00 series(matt) Vynaglaze 47-00 series(gloss) Flexijet 48-00 series(gloss)
	UV Ink	Vioflex 40-00 series Opus FLX +FLXC501 varnish
Marabu(D)	Solvent Ink	Marastar SR, Libraspeed LIS
	UV Ink	Ultrafleet UVFL
Sunchemical(Spain)	Solvent Ink	Brillax
Argon(D)	Solvent Ink	Vinylflat 38000 Thermoplus 49000
	UV Ink	Duraflex UV 106000
Printcolor(CH)	Solvent Ink	384, 386, 388
	UV Ink	562 569
Pröll(D)	Solvent Ink	Thermo-jet 312, PUR-ZK 312 Norijet S 312
Visprox(NL)	Solvent Ink	VL 8000, TCI 8700, AMI 8800
	UV Ink	Uvinyl 9100
SERICOL (UK)	Solvent Ink	Polyplast PY, Plastijet TG, Mattplast MG,
	UV Ink	Uviplast UP, Omniplus UL, Hiflex ES, Multiflash UZ





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