



***Topcoat
Selection
Guide***

Topcoat Guide - Conventional Inks

Topcoat Number	Film	Print/Ink Technology								
		Screenprinting			Flexographic			Rotary Letterpress	Offset	
		Solvent	UV	Water**	Solvent	UV	Water	UV	Oil	UV
Print-receptive♦	Polyester Polyethylene Polypropylene Polystyrene	●	●	●	●	●	●	●		●
TC-106	Vinyl			●			●			
TC-160	Plastic-Coated Cloth Tedlar* Vinyl Rigid Clear Vinyl	●			●				●	
TC-200	Acrylic Polyester Tyvek* Rigid White Vinyl	●			●				●	
TC-200M	Matte Polyester	●			●				●	
TC-245	Cling Vinyl FW Vinyl Polyester	●		●	●	●	●	●		
TC-248▼	Polyethylene (except Kimdura*) Polypropylene Vinyl	●	●		●	●	● ¹	●		●
TC-249▼	Polyester Matte Polyester Kimdura*	●	●		●	●		●		●
TC-332®	PP 230 HW PP 200 HC MPP 200 HS	●	●		●	●	●	●		
TC-348	Vinyl Polyester Polyethylene Polypropylene	●	●		●	●	●	● ²		●
TC-391	Diacetate Polycarbonate Polyethylene Polystyrene	●	●		●	●	●	●		●
TC-634	Cling Vinyl Vinyl	●	●		●	●	●	● ^{2X}	●	

Topcoat Guide - Four Color Digital Imaging

Topcoat Number	Tradename	Film	Digital Offset		Thermal Inkjet (Aqueous Inks)	Electro-Static Image Transfer (Toner)
			Wet (Liquid Inks)	Dry (Toner)	Wide Format	
MTC-329	COMPUCal II®	Polyester		●		
MTC-652	FLEXmark®	Vinyl Cling Vinyl		●		
MTC-722	COMPUCal® Excel™	Polyester		●		
TC-160	BUSart™ BUSmark® FLEXstat™	Vinyl		●		●
TC-245	FLEXstat™	Cling Vinyl				●
TC-614	DigiPRO®	Vinyl Cling Vinyl Polyester Polypropylene Polyethylene	●			
TC-723	DigiPRO® 10135, 20030, 20039, 21030, 21039, 24040, 24049, 25040, 25049, 26030, 26039, 26040, 26049, 47040, 47049	Polyester Polypropylene	●			
Special TC	JETbond® 22129	Vinyl			●	
Print-receptive♦	POLY-2000®	Polyester		●		
Special TC	DigiPRO® 31040, 31049	Polypropylene	●			

** Limited testing has been done using water-based screen inks.

♦ "Print-receptive" denotes print-treated and/or corona-treated films. Please contact your Business Team for more specific information.

▼ This topcoat is UV sensitive and may exhibit a reduction in print-receptivity after multiple passes of UV light.

¹ Limited testing has been done using water-based flexographic inks on TC-248.

² AKZO Nobel Inks require special additives. Please contact your ink supplier for more information.

X Limited testing with UV Letterpress.

Electronic Printing Topcoat Guide - Conventional Inks

Topcoat Number	Tradename	Film	Print/Ink Technology								
			Screenprinting		Flexographic			Rotary Letterpress	Offset		
			Solvent	UV	Solvent	UV	Water	UV	Oil	UV	
Print-receptive♦	alphaMAX® 340P, 350P	Polyolefin			●	●	●			●	
Print-receptive♦	POLY-2000®	Polyester	●	●	●		●	●	●		
MTC-329 *3	COMPUCal® II THERMLfilm SELECT® 21230, 22230	Polyester	●	●	●	●	●	●	●		
MTC-337	LAZRfilm®	Polyester	●	●	●	●	●	●	●	●	●
MTC-352 *3	COMPUCal® THERMLfilm SELECT® 31500	Kapton* Polyester Tedlar* Polyethylene Polypropylene	●	●	●	●	●	●	●	●	●
MTC-353 *3	COMPUCal®	Polyester Vinyl	●	●	●	●	●	●	●	●	●
MTC-354	DATAcal® DRUMcal™ 41448L	Acrylic Polyethylene Polypropylene Polystyrene Plastic-Coated Cloth Vinyl (White)	●	●	●	●	●	●	●	●	●
MTC-722	COMPUCal® EXCEL™	Polyester	●	●	●	●	●	●	●	●	●
TC-238 *3	THERMLfilm®	Polyester Polyethylene Polypropylene Polyethylene Naphthalate	●		●		●				
TC-275	LAZRfilm®	Plastic-Coated Cloth	●		●						
TC-292 4	THERMLfilm®	PP 320 CM					●				●
TC-346 *3	THERMLfilm®	High Gloss Vinyls Only	●	●	●	●	●	●			●
TC-358	LAZRfilm®	Clear Polyester	●		●		●				
TC-381 *3	THERMLfilm® DRUMcal™ 41147T	Vinyl	●		●						
TC-387 *3	THERMLfilm® THERMLfilm SELECT® 10852, 21860, 21830, 22830, 31800	Acrylic Polyester Polyethylene Polypropylene Tedlar*	●	●	●	●	●	●	●		●
TC-390 *3	THERMLfilm® THERMLfilm SELECT® 20920, 20970, 21920, 21940, 21970, 22940, 22970	Polyester	●		●		●				
TC-397 *3	THERMLfilm®	Yellow Kapton*	●	●	●	●	●	●	●		●
TC-400 *3	THERMLfilm SELECT® 22720	MM 200 SS	●		●		●				
TC-492 *3	THERMLfilm®	White Kapton	●		●		●				

♦ "Print-receptive" denotes print-treated and/or corona-treated films. Please contact your Business Team for more specific information.

* This topcoat is UV sensitive and may exhibit a reduction in variable imaging print-receptivity after exposure to UV Cure Systems.

3 This topcoat is not recommended for fan-folded applications.

4 Special thermal inks may be required for conventional printing. Please contact your ink supplier.

This topcoat guide represents suggestions based on laboratory and production results with many commercially available ink systems. We strongly recommend you evaluate your specific ink systems with all topcoatings for successful ink adhesion.

Electronic Printing Topcoat Guide - Variable Information Printing*

Topcoat Number	Tradename	Film	Electronic Printing Technology						
			Dot Matrix/ Impact	Laser		Thermal Transfer			
				Cut Sheet	Continuous	Wax Ribbons	Wax/Resin Ribbons	Resin Ribbons	Direct Thermal
Print-receptive*	alphaMAX®	Polyolefin	●			●	●		
Print-receptive*	POLY-2000®	Polyester		●	●		●	●	
Print-receptive*	THERMLfilm SELECT® 21050	Polypropylene					●	●	
MTC-329 *	COMPUcal II®	Polyester	●	●†	●†	●	●		
MTC-329 *	THERMLfilm SELECT® 21230	Polyester	●		●	●	●		
MTC-329 *	THERMLfilm SELECT® 22230	Polyester	●			●	●		
MTC-337	LAZRfilm®	Polyester		●†	●†				
MTC-352 *	COMPUcal® THERMLfilm SELECT® 31500	Tedlar* Kapton* Polyester Polyethylene Polypropylene	●			●	●		
MTC-353 *	COMPUcal®	Polyester Vinyl	●	●†	●†	●	●		
MTC-354	DATAcal® DRUMcal™ 41448L	Acrylic Polystyrene Plastic-Coated Cloth Vinyl (White)	●	●	●				
MTC-394	THERMLfilm®	PE 400 HW				●	●		
MTC-722	COMPUcal® EXCEL™	Polyester	●	●†	●†	●	●	●	
TC-238 *	THERMLfilm®	Polyester Polypropylene Polyethylene Polyethylene Naphthalate Kapton*					●	●	
TC-275	LAZRfilm®	Plastic-Coated Cloth		●	●				
TC-292	THERMLfilm®	PP 320 CM							●
TC-346 *3	THERMLfilm®	High Gloss Vinyls Only					●	●	
TC-358 3	LAZRfilm®	Clear Polyester		●†	●†				
TC-381 *	THERMLfilm® DRUMcal™ 41147T	Vinyl					●	●	
TC-387 *3	THERMLfilm® THERMLfilm SELECT® 10852, 21830, 21860, 22830, 31800	Acrylic Polyester Polyethylene Polypropylene					●	●	
TC-390 *	THERMLfilm® THERMLfilm SELECT® 20920, 20970, 21920, 21940, 21970, 22940, 22970	Polyester					●	●	
TC-397 *3	THERMLfilm®	Yellow Kapton*						●	
TC-400 *	THERMLfilm SELECT® 22720	MM 200 SS					●	●	
TC-492 *	THERMLfilm®	White Kapton						●	

◆ "Print-receptive" denotes print-treated and/or corona-treated films. Please contact your Business Team for more specific information.

✦ This topcoat is UV sensitive and may exhibit a reduction in variable imaging print-receptivity after exposure to UV Cure Systems.

3 This topcoat is not recommended for fan-folded applications.

† Non-metallized polyester

* Test the topcoat for compatibility with intended ribbon and printer.

*Tyvek is E.I. DuPont Company's registered trademark for spunbonded polyolefins.

*Kapton is E.I. DuPont Company's registered trademark for polyimide film.

*Tedlar is E.I. DuPont Company's registered trademark for polyvinyl fluoride.

*Kimdura is Kimberly-Clark Corporation's registered trademark for synthetic polypropylene.



Let's Talk Solutions

Bring your challenges or next big idea to FLEXcon and we will work together to find a solution.

Call us at (508) 885-8200 or visit our Customers' Corner website at www.FLEXcon.com.

Corporate Headquarters

1 FLEXcon Industrial Park
Spencer, MA 01562-2642 USA
Telephone (508) 885-8200
FAX (508) 885-8400
www.FLEXcon.com

Performance Products Business Team
Telephone (508) 885-8440
FAX (508) 885-8355

Product Branding Business Team
Telephone (508) 885-8370
FAX (508) 885-8399

Product Identification Business Team
Telephone (508) 885-8300
FAX (508) 885-8301

Manufacturing, Distribution & Sales Centers

North America

FLEXcon Spencer, Massachusetts
1 FLEXcon Industrial Park
Spencer, MA 01562-2642
Telephone (508) 885-8200
FAX (508) 885-8400
FLEXexpress FAX: 1-800-428-4505

FLEXcon Columbus, Nebraska

2021 E. 23rd Street
Columbus, NE 68601
Telephone (402) 562-6131
FAX (402) 562-6054

Europe

FLEXcon Europe Ltd.
Whitworth Road
Southfield Industrial Estate
Glenrothes, Fife KY6 2TF
Scotland
Telephone +44 1592 663200
FAX +44 1592 663201
euroinfo@FLEXcon.com

Sales Offices

North America

FLEXcon Pennsylvania
Routes 1 & 202
The Weichert Building, Suite 260
P.O. Box 156
Chadds Ford, PA 19317
Telephone (610) 358-2571
FAX (610) 358-5946

FLEXcon Kansas

1305 South Fountain Drive
Olathe, KS 66061
Telephone (913) 768-8669
FAX (913) 894-5129
FLEXexpress FAX: 1-800-732-4329

Distribution & Sales Facilities

North America

FLEXcon California
12840 Reservoir Street
Chino, CA 91710-2952
Telephone (909) 465-0408
FAX (909) 627-4136
FLEXexpress FAX: 1-800-446-4136

FLEXcon Ontario

400 Chrysler Drive, Unit B
Brampton, Ontario L6S 5Z5
Canada
Telephone (905) 789-8869
FAX (905) 789-8879
FLEXexpress FAX: 1-800-563-9143

Europe

FLEXcon Europe Ltd.
Flevolaan 3
1382 JX WEESP
P.O. Box 131
1380 AC WEESP
Holland
Telephone +31 294 491800
FAX +31 294 430887
euroinfo@FLEXcon.com

Latin America, Asia-Pacific, Africa and Middle East

FLEXcon International

Sales Office
1 FLEXcon Industrial Park
Spencer, MA 01562-2642
Telephone (508) 885-8223
FAX (508) 885-8355