

FOTECOAT INFORMATION CHART

1/2 Edition 02/2011

Screen Emulsions and their technical characteristics

Ranking: 10 is the best

FOTECOAT Characteristics	DIAZO Screen Emulsions DUAL-CURE												
	1010	1019	1020	1021	1065	1068	1069	1069 HV	1069 FAST	1070 MATT	1072	1075	1076
Solids Content	36%	36%	27%	31%	44%	41%	41%	36%	33%	38%	34%	29%	37%
Exposure ratio	61%	67%	44%	50%	56%	63%	63%	63%	40%	67%	75%	89%	160%
Colour	light purple	purple+blue	purple	blue-purple	light blue	purple+blue	blue	blue	blue	purple	purple	purple	light blue
Resolution 1)	10	9	10	10	8	8	8	8	8	9	8	8	10
Definition 2)	10	10	10	10	8	8	8	8	8	10	10	10	10
Solvent resistance	9	9	9	9	5	8	8	8	8	9	9	9	10
Water resistance	8	8	8	8	10	10	10	10	10	8	6	5	3
Mechanical resistance	8	8	8	8	10	10	10	9	10	8	9	9	9
Post exposure	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Chemical hardening	NO	NO	NO	NO	YES	YES	YES	YES	YES	NO	YES	YES	NO
Ink recommended	B/C/D	B/C/D	B/C/D	U	A/E	A/C/D	A/C/D	A/C/D	A/C/D	B/C/D	A/B/G	A/B/G	G
Avoiding of touch-ups	6	6	6	6	7	8	8	8	8	6	6	6	6
Removal	8	8	8	8	4	4	4	4	4	8	9	9	8
Applications	P	P	CtS	CtS	T/X	C/T/G	C/G	T/X	CtS	CtF	B/G/P	G	P

FOTECOAT Characteristics	DIAZO Screen Emulsions TRADITIONAL								with or without DIAZO				
	1569	1570 MATT	1636	1664 CLEAR	1669	1711	1771	1772 SD	TRIO 1 WR	TRIO 2 SR	TRIO 3 WSR		
Solids Content	33%	33%	36%	33%	33%	25%	25%	30%	36%	23%	30%		
Exposure ratio	100%	54%	91%	100%	100%	94%	81%	130%	68%	88%	47%		
Colour	purple	blue	light blue	clear	purple	blue	purple	clear	blue	blue	blue		
Resolution 1)	8	9	5	9	9	9	9	9	5	8	9		
Definition 2)	8	9	9	9	9	10	9	9	9	8	9		
Solvent resistance	10	10	3	4	4	9	8	8	4	9	9		
Water resistance	1	2	10	9	9	3	3	3	10	3	8		
Mechanical resistance	7	8	9	8	8	8	9	9	9	8	8		
Post exposure	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES		
Chemical hardening	NO	NO	YES	YES	YES	NO	NO	NO	YES	NO	NO		
Ink recommended	A/G	A/G	A/F	A/F	A/F	A/B/G	A/B/G	A/B/G	A/F	A/B/G	H		
Avoiding of touch-ups	10	9	9	8	8	8	7	7	9	8	6		
Removal	10	9	4	6	6	9	7	7	9	8	6		
Applications	P	CtF	T	T	T	P/O	B/P	B/P	T	B	P		

LEGEND: 1) on yellow fabric under ideal conditions 2) with adequate coating technique on corresponding mesh
 Inks: A) Plastisols, B) Standard UV, C) Aqueous UV, D) Solvent/Water, E) Water/Solvent, F) Water only, G) Solvent only, H) Most inks for short runs, U) Universal
 Applications: B) Bottles, C) Ceramic, F) Food, G) Glass, P) Printed Circuits, T) Textile, X) Thick stencils, O) POS
 CtS = Ideal for Computer to Screen application CtF = Ideal in combination with Ink Jet Films

Tints:  solvent resistant  water resistant  co-solvent resistant