

FOTECOAT INFORMATION CHART

2/2 Edition 02/2011

Screen Emulsions and their technical characteristics

Ranking: 10 is the best

FOTECOAT	PRESENSITIZED Screen Emulsions SOLO												
	1811	1834	1835	1836 WR	1837	1838	1840	1845	1846	1847	1850	1855 UV	1860
Characteristics													
Solids Content	29%	40%	58%	36%	52%	38%	41%	49%	44%	42%	36%	61%	35%
Exposure ratio	80%	21%	---	20%	---	21%	21%	---	---	---	19%	83%	29%
Colour	magenta	light green	dark purple	red	pink	red	light green	blue	blue	blue	grey-blue	blue	green
Resolution 1)	8	9	--	6	--	6	9	--	--	--	9	9	8
Definition 2)	8	10	9	9	9	9	10	9	9	9	10	8	8
Solvent resistance	8	6	3	3	3	3	8	9	9	9	9	9	10
Water resistance	2	8	9	9	9	9	4	6	6	6	3	3	1
Mechanical resistance	7	9	--	8	--	8	9	--	--	--	7	9	6
Post exposure	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES	NO	NO
Chemical hardening	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
Ink recommended	A/B/G	A/F	A/F	A/F	A/F	A/F	D	A/G	A/G	A/G	A/B/G	B	A/G
Avoiding of touch-ups	7	7	9	7	9	9	7	9	9	9	6	8	8
Removal	9	7	5	4	5	5	8	5	5	5	8	8	10
Applications		C/P/X	T/X	T/F	T/X	T/X	P/X	P/X	P/X	P/X	P/X	O	P/G

FOTECOAT	PRESENSITIZED DIR-EX					PROJECTION		DIAZO DIR-AD direct addition					
	1410 SR	1411 HDR	1414 WSR	1430 WR	1456 HSR	1884 WR	1884 SR	1915 WR	1920 K	1930 K	1970	1975	
Characteristics													
Solids Content	24%	24%	42%	35%		35%	24%	41%	42%	46%	33%	38%	
Exposure ratio	---	---	---	---		---	---	75%	45%	30%	73%	90%	
Colour	light blue	magenta	purple	light blue		light blue	light blue	light purple	blue	blue	blue	aquamarine	
Resolution 1)	8	8	8	8		8	8	8	8	9	9	10	
Definition 2)	5	7	8	5		5	5	9	8	8	10	10	
Solvent resistance	8	8	8	2		2	8	5	4	7	9	9	
Water resistance	6	6	10	10		10	6	10	10	10	8	8	
Mechanical resistance	7	7	10	8		8	7	9	9	10	8	8	
Post exposure	NO	NO	YES	NO		NO	NO	YES	YES	YES	YES	YES	
Chemical hardening	YES	YES	YES	YES		YES	YES	YES	YES	YES	NO	NO	
Ink recommended	B/G	B/G	A/C/D	F		F	B/G	A/E	A/E	A/E	B/C/D	U	
Avoiding of touch-ups	8	8	8	8		8	8	8	8	8	7	6	
Removal	8	8	4	8		8	8	4	4	3	9	8	
Applications	CtS	CtS	CtS	CtS		T	O	T	C	C	B/G/P	B/G/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