

Screen Emulsions and their technical characteristics

Ranking: 10 is the best

FOTECOAT Characteristics	SOLO Screen Emulsions one component										Projection Emulsions one component	
	1811 SOLO	1834 SOLO	1835 SOLO	1838 SOLO	1840 SOLO	1845 SOLO	1846 SOLO	1850 SOLO	1855 UV	1860 SOLO	1884 WR	1884 SR
Resolution 1)	8	9	-	6	9	-	-	9	9	8	8	8
Definition 2) <small>edge sharpness</small>	8	10	9	9	10	9	9	10	8	8	5	5
Solvent resistance	8	6	3	3	8	9	9	9	9	10	2	8
Water resistance	2	8	9	9	4	3	3	3	3	1	10	6
Mechanical resistance	7	9	-	8	9	-	-	7	9	6	8	7
Post exposure	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO
Chemical hardening	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES	YES
Ink recommended	A/B/G	A/E	A/F	A/F	D	A/G	A/G	A/B/G	B	A/G	F	B/G
Avoiding of touch-ups	7	7	9	7	7	9	9	6	8	8	8	8
Removal	9	7	5	4	8	5	5	8	8	10	8	8
Applications		C/P/X	T/X	T/F	P/X	P/X	P/X	P/X	O		T	

FOTECOAT Characteristics	DIAZO Screen Emulsions dual-cure							DIR-AD DIAZO for direct addition				
	1010	1019	1065	1068	1072	1076	1082	1915 WR	1920 K	1926 K	1930 K	1970
Resolution 1)	10	9	8	8	8	10	9	8	8	8	9	9
Definition 2) <small>edge sharpness</small>	10	10	8	8	10	10	10	9	8	8	8	10
Solvent resistance	9	9	5	8	9	10	8	5	4	7	7	9
Water resistance	8	8	10	10	6	3	6	10	10	10	10	8
Mechanical resistance	8	8	10	10	9	9	8	9	9	10	10	8
Post exposure	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Chemical hardening	NO	NO	YES	YES	YES	NO	YES	YES	YES	YES	YES	NO
Ink recommended	B/C/D	B/C/D	A/E	A/C/D	A/B/G	G	D	A/E	A/E	A/E	A/E	B/C/D
Avoiding of touch-ups	6	6	7	8	6	6	7	8	8	8	8	7
Removal	8	8	4	4	9	8	9	4	4	3	3	9
Applications	P	P/G	T/X	C/T	B/G/P	P	P/G/O	T	C	C	C	B/G/P

FOTECOAT Characteristics	DIAZO Screen Emulsions traditional							TRIO Line Diazo or Bichromate		
	1569	1570	1636	1669	1711	1771	1782	TRIO 1WR	TRIO 2SR	
Resolution 1)	8	9	5	9	9	9	9	5	8	
Definition 2) <small>edge sharpness</small>	8	9	9	9	10	9	10	9	8	
Solvent resistance	10	10	3	4	9	8	9	4	9	
Water resistance	1	2	10	9	3	3	4	10	3	
Mechanical resistance	7	8	9	8	8	9	9	9	8	
Post exposure	NO	NO	NO	NO	NO	NO	YES	NO	NO	
Chemical hardening	NO	NO	YES	YES	NO	NO	YES	YES	NO	
Ink recommended	A/G	A/G	A/F	A/F	A/B/G	A/B/G	G	A/F	A/B/G	
Avoiding of touch-ups	10	9	9	8	8	7	7	9	8	
Removal	10	9	4	6	9	7	9	9	8	
Applications	P	P	T	T	P	B/P	P/G/C	T	B	

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, I) Universal

Applications: B) Bottles, C) Ceramic, F) Food, G) Glass, P) Printed Circuits, T) Textile, X) Thick Stencils, O) Posters

Tints: (in %) solvent resistant water resistant co-solvent resistant

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