

FOTECOAT EMULSION COMPARISON



TRADITIONAL DIAZO SCREEN EMULSIONS	1569	1570 MATT	1636	1664 CLEAR	1669	1711	1771	1772 SD	DIAZO DIR-AD DIRECT ADDITION				
									1915	1920	1930	1970	1975
DIAZO (1kg/4.5kg)	C5/C8	C2/C7	C2/C7	C5/C8	C5/C8	C3/C11	C2/C7	C8J 4.5kg	D2/D7	D2/D7	D2/D7	D2/D7	D2/D7
SOLIDS CONTENT	33%	33%	36%	33%	33%	25%	25%	30%	41%	42%	46%	33%	38%
EXPOSURE RATIO	100%	54%	91%	100%	100%	94%	81%	130%	75%	45%	30%	73%	90%
COLOUR	P	B	LP	C	P	P	B	C	LP	B	B	B	A
RESOLUTION ¹	8	9	5	9	9	9	9	9	9	8	9	9	10
DEFINITION ²	8	9	9	9	9	10	9	9	9	8	8	10	10
SOLVENT RESISTANCE	10	10	3	4	4	9	8	8	5	4	7	9	9
WATER RESISTANCE	1	2	10	9	9	3	3	3	9	10	10	8	8
MECHANICAL RESISTANCE	7	8	9	8	8	8	9	9	9	9	10	8	8
POST EXPOSURE	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES
CHEMICAL HARDENING	NO	NO	YES	YES	YES	NO	NO	NO	YES	YES	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/E	A/E	A/E	B/C/D	U
AVOIDING OF TOUCH-UPS	10	9	9	8	8	8	7	7	8	8	8	7	6
REMOVAL	10	9	4	6	6	9	7	7	4	4	3	9	8
APPLICATIONS	P	CTF	T	T	T	P/O	B/P	B/P	T	C	C	B/G/P	B/G/P

DUALCURE SCREEN EMULSIONS	1010	1015 WR	1019	1020	1025	1030	1060	1065	1068	1069	1070 MATT	1072	1075	1079	1099
	DIAZO (1kg/4.5kg)	C4/C12	C2/C7	C2/C7	C20/C89	C4/C12	C6/C9	C6/C9	C2/C7	C2/C7	C4/C12	C2/C7	C1/C13	C1/C13	C5/C8
SOLIDS CONTENT	36%	41%	36%	27%	41%	35%	42%	44%	41%	41%	38%	34%	29%	24%	43%
EXPOSURE RATIO	61%	75%	67%	44%	22%	33%	37%	56%	63%	63%	67%	75%	89%	114%	37%
COLOUR	LP	B	B, P	P	B	B	B	LB	B, P	B	P	P	P	LB	B
RESOLUTION ¹	10	8	9	10	8	10	9	8	8	8	9	8	8	9	9
DEFINITION ²	10	9	10	10	8	10	8	8	8	8	10	10	10	7	9
SOLVENT RESISTANCE	9	5	9	9	4	9	9	5	8	8	9	9	9	10	5
WATER RESISTANCE	8	10	8	8	9	8	10	10	10	10	8	6	5	5	10
MECHANICAL RESISTANCE	8	9	8	8	8	10	10	10	10	10	8	9	9	10	10
POST EXPOSURE	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CHEMICAL HARDENING	NO	YES	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	YES	NO	YES
INK RECOMMENDED	B/C/D	A/E	B/C/D	B/C/D	A/C	B/U	C	A/E	A/C/D	A/C/D	B/C/D	A/B/G	A/B/G	G	E
AVOIDING OF TOUCH-UPS	6	8	6	6	6	6	7	7	8	8	6	6	6	6	6
REMOVAL	8	4	8	8	8	8	4	4	4	4	8	9	9	8	8
APPLICATIONS	P	T	P	CTS	T/C	O	G	T/X	C/T/G	C/G	CTF	B/G/P	G	P	T/C

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PRESENSITIZED SOLO SCREEN EMULSIONS	1811	1833	1833 BLUE	1834	1835	1836 WR	1837	1838	1840	1845	1850	1855 UV	1860
DIAZO (1kg/4.5kg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	D2 4.5kg	N/A	N/A	N/A	N/A	N/A
SOLIDS CONTENT	29%	45%	45%	40%	58%	36%	52%	38%	41%	49%	36%	61%	35%
EXPOSURE RATIO	80%	7%	8%	21%	---	20%	---	21%	21%	---	19%	83%	29%
COLOUR	M	O	B	LG	DP	R	P	R	LG	B	GB	B	P, G
RESOLUTION ¹	8	9	9	9	--	6	--	6	9	--	8	9	8
DEFINITION ²	8	9	9	10	9	9	9	9	10	9	8	8	8
SOLVENT RESISTANCE	8	9	9	6	3	3	3	3	8	9	10	9	10
WATER RESISTANCE	2	10	10	8	9	9	9	9	4	6	1	3	1
MECHANICAL RESISTANCE	7	9	9	9	--	8	--	8	9	--	7	9	6
POST EXPOSURE	NO	YES	YES	NO	NO	NO	NO	NO	YES	YES	YES	NO	NO
CHEMICAL HARDENING	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
INK RECOMMENDED	A/B/G	A/E	A/E	A/F	A/F	A/F	A/F	A/F	D	A/G	A/G	B	A/G
AVOIDING OF TOUCH-UPS	7	7	7	7	9	7	9	9	7	9	8	8	8
REMOVAL	9	8	8	7	5	4	5	5	8	5	10	8	10
APPLICATIONS	O	CTS	CTS	C/P/X	T/X	T/F	T/X	T/X	P/X	P/X	P/X	O	B/P

PRESENSITIZED DIR-EX SCREEN EMULSIONS	1410 SR	1430 WR	1456	1468	PROJECTION	
					1884 WR	1884 SR
DIAZO (1kg/4.5kg)	N/A	N/A	N/A	N/A	N/A	N/A
SOLIDS CONTENT	24%	35%	33%	36%	35%	24%
EXPOSURE RATIO	---	---	---	---	---	---
COLOUR	LB	B	R	B	LB	LB
RESOLUTION ¹	8	8	8	8	8	8
DEFINITION ²	5	5	9	8	5	5
SOLVENT RESISTANCE	8	2	10	8	2	8
WATER RESISTANCE	6	10	8	10	10	6
MECHANICAL RESISTANCE	7	8	8	10	8	7
POST EXPOSURE	NO	NO	YES	YES	NO	NO
CHEMICAL HARDENING	YES	YES	NO	YES	YES	YES
INK RECOMMENDED	B/G	F	B	E	F	B/G
AVOIDING OF TOUCH-UPS	8	8	8	8	8	8
REMOVAL	8	8	8	6	8	8
APPLICATIONS	CTS	CTS	CTS	CTS	T	O

Exposure ratio: Reflects light sensitivity % compared to FOTECOAT 1569 (100%) under equal conditions at EOM 16 µm
1: On yellow fabric under ideal conditions.
2: With adequate coating technique on corresponding mesh

INKS:

A: Plastisol
B: Standard UV
C: Aqueous UV
D: Solvent/Water
E: Water/Solvent
F: Water
G: Solvent
H: Most inks in short runs
U: Universal

COLORS

A Aquamarine
B blue
C Clear
DP dark purple
G Green
GB Gray blue
LB light blue
LG light green
LP light purple
M Magenta
O orange
P pink
P purple
R red

APPLICATIONS:

B: Bottles
C: Ceramic
F: Food
G: Glass
P: Printed Circuit
T: Textile
X: Thick Stencil
O: POS
CTS: Computer-to-Screen App
CTF: Ideal for Inkjet Film

DIAZO CODES:

C: Diazo in bottle, dissolve in water then add
D: Diazo in Sachets, add directly to emulsion

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. It is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of products for specific final application is exclusively your responsibility.

FOTECO is a SAATI brand

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