



ITOSPERSE
Disperse Dye Range

MAGNACOLOURS[®]
IMAGINATION INK[®]

ITOSPERSE

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ITOSPERSE Dyes

Our disperse dyes are multi purpose disperse dyes offering good fastness properties and cost effective recipes. Suitable for exhaust dyeing, many are also suitable for printing and/or continuous dyeing.

ITOSPERSE DYEING METHOD

Recipe: x% Dye
0.5g/l ITOQUEST LJ3-12
0.5g/l ITOLUBE 30D
0.5g/l ITOSOLT LJ550
Acetic Acid to give pH 4.5

Method: Heat to 50°C.
Add chemicals, run for 5 minutes.
Add dyes, run for 10 minutes.
Check pH (4.5 - 5).
Heat at 2°C/min to 130°C.
Run for 40 to 60 minutes.
Cool at 2°C/min to 80°C.
Drop liquor and rinse
Reduction clear as required.

FASTNESS TEST METHODS

Light Fastness	ISO 105-B02
Wash Fastness	ISO 105-C02
Sublimation Fastness	ISO 105-X11 (180°C)
Water Fastness	ISO 105-E01

SYMBOLS USED IN FASTNESS COLUMNS

C	Staining on cotton
CS	Change Of Shade
C	Staining On Cotton
N	Staining On Nylon
W	Staining On Wool
P	Staining On Polyester

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ITOSPERSE		Fastness Properties										
		Fastness results @	Light	Sublimation			Wash 50°C			Water		
Dyed at 1% : Dark Blue, Navy and Black at 2%	1/1		CS	C	P	C	N	W	C	N	W	
Red 2BE 200% Red 060		1.5	6	4/5	3	4	4/5	3/4	4/5	4/5	4/5	4/5
Red SBL 200% Red 088		2	5	4/5	4/5	4/5	4/5	4	4	4/5	4	4/5
Lt Red BSE 200% Red 152		1.5	4	4/5	4	4/5	4/5	3	4/5	4/5	4/5	4/5
Red ABF Red 359		2	4	4/5	4/5	4/5	4/5	4	4/5	4/5	4/5	4/5
Red F3BS 150% Red 343		2	6	4/5	4	4	4/5	2	4/5	4/5	4/5	4/5
Red CBN Red 356		2	6	4/5	3/4	4/5	4/5	4/5	4/5	4/5	4/5	4/5
Red RLS Red 177		2	6	4/5	4	4	4/5	4	4/5	4/5	4/5	4/5
Scarlet GLS Red 054		2	6	4/5	4	4/5	4/5	4/5	4/5	4/5	4/5	4/5
Rubine CGL 150% Red 167		2	6	4/5	4	4/5	4/5	4	4/5	4/5	4/5	4/5
Rubine GL 200% Red 073		2	6	4/5	4	4/5	4/5	3/4	4/5	4/5	4/5	4/5
Rubine CBL 150% Violet 033		1.5	5/6	4/5	4/5	4/5	4/5	4	4/5	4/5	4/5	4/5
Rubine SD Red Mix		1.5	5	4/5	3/4	4	4/5	4/5	4/5	4/5	4/5	4/5
Red C4G Red 278		1.5	5	4/5	4/5	4/5	4/5	4	4	4/5	4	4/5
Rubine 3B 250% Red 311		1.5	6+	4/5	4/5	4/5	4/5	4	4	4/5	4	4/5
Bordeaux 2R 160% Violet 026		1.5	5	4/5	3/4	4	4/5	4/5	4/5	4/5	4/5	4/5
Blue RAP (L) Blue Mix		1.5	6	4/5	3/4	4/5	4/5	3	4/5	4/5	4/5	4/5
Blue 3RL 150% Blue 056		1.5	6	4/5	4	4/5	4/5	4	4/5	4/5	4/5	4/5
Blue SFBL 200% Blue Mix		2	6	4/5	4	4/5	4/5	4	4/5	4/5	4/5	4/5
Blue 3RTW 230% Blue 148		2	4	4/5	4	4	3	4	4/5	4/5	4/5	4/5
Blue BBLs 200% Blue 165		2	6+	4/5	4/5	4	3	4	4/5	4/5	4/5	4/5
Blue CRE 200% Blue 366		1.5	6	4/5	4	4/5	4/5	4	4/5	4/5	4/5	4/5

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Yellow 5GLE 200% Yellow 241		2	6+	4/5	3	3/4	4/5	3/4	4/5	4/5	4/5	4/5
Yellow RAP (L) Yellow Mix		1.5	6	4/5	3	4/5	4/5	4	4/5	4/5	4/5	4/5
Yellow C5G 200% Yellow 119		2	6+	4/5	4/5	3	4/5	4/5	4/5	4/5	4/5	4/5
Yellow 3G Yellow 054		2	6	4/5	4	3	4/5	4	4/5	4/5	4/5	4/5
Yellow 4G 110% Yellow 211		2	6+	4/5	4	3	4/5	4	4/5	4/5	4/5	4/5
Yellow BBRL 200% Yellow 163		2	6+	4/5	4	4/5	4/5	4/5	4/5	4/5	4/5	4/5
Yell/Brown SERL 150% Orange 030 (R)		2	6+	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5
Yell/Brown R 240% Orange 029		2	6+	4/5	3/4	4	4	4	4	4/5	4	4/5
Golden Yellow 2RLS 200% Orange 093		2	6+	4/5	4/5	4/5	4/5	4/5	4/5	4	4/5	4/5
Orange 2RLS 300% Orange 044		2	6+	4/5	4/5	4/5	4	4	4/5	4/5	4/5	4/5
Orange 3RLS 150% Orange 080		2	6	4/5	4/5	4	3	4/5	4/5	3/4	4/5	4/5
Orange B2R Orange 025		2	5/6	4/5	4/5	4	3	4	3	3/4	4	4
Orange SD Orange Mix		2	6	4/5	4/5	4	4/5	4	4	4/5	4	4/5
Scarlet SLK Red 135		2.5	6	4/5	4/5	4/5	4/5	3	4/5	4/5	4/5	4/5
Scarlet 2GH 150% Red 050		2	6	4/5	3/4	4/5	4/5	3/4	4/5	4/5	4/5	4/5
Scarlet 2RSE 200% Red 153		2	4	4/5	4/5	4/5	4/5	3	4/5	4/5	4/5	4/5
Pink REL 200% Red 091		2	6+	4/5	2/3	4	4	1/2	4/5	4/5	4/5	4/5
Red BLSF Red 092		2	6	4/5	4	4/5	4/5	4	4	4/5	4/5	4/5
Red RAP (L) Red Mix		1.5	6	4/5	4	4/5	4/5	3/4	4/5	4/5	4/5	4/5

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Dyed at 1% : Dark Blue, Navy and Black at 2%	1/1		CS	C	P	C	N	W	C	N	W	
Blue SE2R Blue 183		1.5	6	4/5	4	4/5	4/5	2/3	3/4	4/5	4/5	4/5
Blue SBG Blue 073		2	6	4/5	3	4	4/5	3/4	4/5	4/5	4/5	4/5
Blue C5G 150% Blue 291		1	5	4/5	4/5	4/5	4/5	3	4/5	4/5	4/5	4/5
Dark Blue SD Blue Mix		2	6	4/5	4	4/5	4	4/5	4/5	4/5	4/5	4/5
Turq Blue CGLF 200% Blue 060		2	6+	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5
Violet BL 150% Violet 057		2	6+	4/5	4	4/5	4/5	4/5	4/5	4/5	4/5	4/5
Violet S3RL Violet 063		2	6	4/5	4	4/5	4/5	4	4/5	4/5	4/5	4/5
Green C6B Green 009		2	5	4/5	4	4/5	4/5	3/4	4/5	4/5	4/5	4/5
Navy CD2G 200% Blue 079:1		2	5	4/5	4	4/5	4/5	3/4	4/5	4/5	4/5	4/5
Navy ECO 300% Navy Mix		3	5	4/5	4	4/5	4/5	3/4	4/5	4/5	4/5	4/5
Black SERN 300% Black Mix		3	5	4/5	4	4/5	4/5	3	4/5	4/5	4/5	4/5
Black HT CONC Black Mix		3	5	4/5	4/5	4/5	4/5	3/4	4/5	4/5	4/5	4/5
Black ECO 300% Black Mix		3	5	4/5	4	4/5	4/5	3	4/5	4/5	4/5	4/5

DISPERSE DYE RANGES



Range	Features
ITOSPERSE	General multi purpose disperse dyes for cost effective recipes and good general fastness properties.
ITOSPERSE AUTO	Dyes with the highest light fastness suitable for car seat and headliner fabrics.
ITOSPERSE LJCC	Compatible mid energy range of disperse dyes for medium deep shades.
ITOSPERSE ECF	Eco friendly range of disperse dyes for acetate or triacetate.
ITOSPERSE BRILLIANT	Range of fluorescent disperse dyes, suitable for fashion or when safety standards (EN471) are required.
ITOSPERSE HW	Alkali clearable disperse dyes with the highest wet fastness ideal for sportswear, workwear on polyester or polyester/cellulose blends.
ITOSPERSE RAP(L)	Rapid dye trichromat for improved level dyeing and reproducibility in pale shades.

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