



ITOREACT
Neutral Fixing Reactive Dyes



True reactive dyes which do not require alkali for fixation. Ideal for blend dyeing such as acrylic/cotton (using Itocryl CD dyes) giving a one bath system.

ITOREACT DYEING METHOD

Recipe: x% Dye
0.5g/l Itoquest LJ3-12
y g/l Salt
Buffer to pH7

Method: Heat to 40°C.
Add dyes, chemicals and salt.
Heat at 2°C/min to 80°C and hold for 20 minutes.
Heat at 2°C/min to 100°C.
Run for 40 to 60 minutes at 100°C.
Cool at 2°C/min to 60°C.
Drop liquor and rinse, acid rinse, soap at 100°C

FASTNESS TEST METHODS

Light Fastness ISO 105-B02
Wash Fastness ISO 105-C02

SYMBOLS USED IN FASTNESS COLUMNS

CS Change of shade
S Staining on same fabric

Salt

% Dyestuff	Cotton	Viscose
<0.1	10	5
>0.1 - 0.3	20	10
>0.3 - 0.5	30	15
>0.5 - 1.0	40	25
>1.0 - 2.0	50	35
>2.0 - 4.0	70	45
>4.0	90	60

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ITOREACT		Fastness Properties				
		Sol	Light	Wash 70°C		Affinity
Dyed at 1% , Navy at 2%		50°C	1/1	CS	S	
Yellow PC4G		70	5<	4/5	5	C
Yellow PCML		20	5	4/5	4/5	B
Golden Yellow PCGL		20	5<	4/5	4/5	B
Brown PCAL		50	4/5	4/5	4/5	B
Scarlet PCGL		70	4/5	4/5	4/5	C
Red PC3B		15	4	4/5	5	B
Turquoise PC2G		50	4	4/5	4/5	C
Blue PCFL		35	4	4/5	5	A
Blue PCBL		20	5	4/5	5	C
Blue PCMG		30	4/5	4/5	4	B
Navy PCR		35	4	4/5	5	A

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