



ITOFIX CT
Reactive Dyes For Deep Shades

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ITOFIX CT dyes are a range of monochlorotriazine based reactive dyes ideal for hot dyeing enabling improved migration on viscose fibres. The ITOFIX CTSNR series offers improved levelling and repeatability.

ITOFIX RED CTGNR can be used when improved light fastness is the requirement.

ITOFIX CT DYEING METHOD

Recipe: x% Dye
0.5g/l ITOQUEST LJ3-12
y g/l Salt
z g/l Alkali

Method: Heat to 40°C.
Add chemicals and salt, run for 10 minutes.
Heat to 80°C.
Add dyes, run for 30 minutes.
Add alkali over 30 minutes.
(by portions or progressive dosing)
Run for 40 to 60 minutes at 80°C.
Drop liquor and rinse, acid rinse, soap at 100°C.

FASTNESS TEST METHODS

Light Fastness ISO 105-B02
Wash Fastness ISO 105-C02
Perspiration Fastness ISO 105-E02
Water Fastness ISO 105-E01

SYMBOLS USED IN FASTNESS COLUMNS

C Staining on cotton
N Staining on nylon
W Staining on wool

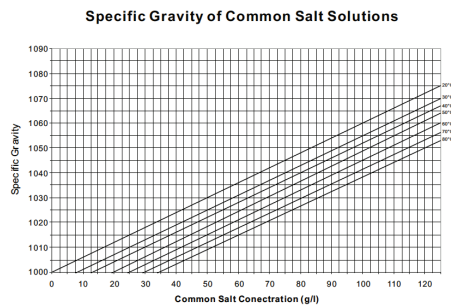
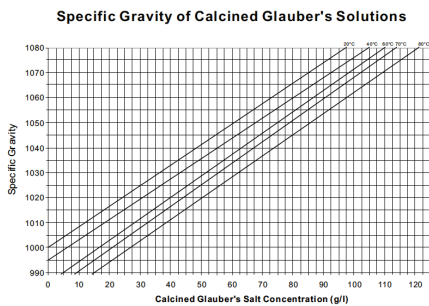
% Dyestuff	Glaubers Salt	Soda Ash	OR	Soda Ash + Caustic 70tw
0 - 0.1	10	10		-
>0.1 - 0.3	20	10		-
>0.3 - 0.5	30	10		-
>0.5 - 1.0	45	15		-
>1.0 - 2.0	60	15		5+0.7
>2.0 - 4.0	80	20		5+1.0
>4.0	100	20		5+1.5

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ITOFIX		Fastness Properties at 3%										
		Sol	Light	Wash 50°C			Alk Persp			Water		
Dyed at 1%, Navy at 2%		80°C	1/1	C	N	W	C	N	W	C	N	W
Yellow CT6G Yellow 135		100	4	4/5	4	4/5	4/5	4/5	4/5	4	4	4/5
Yellow CT4R Yellow 084		100	4	4/5	4/5	4/5	4	4/5	4/5	4	4/5	4/5
Yellow CTSNR 133%		100	5	4/5	4/5	4/5	4	4/5	4/5	4	4/5	4/5
Red CT3B Red 120		100	4	4/5	4	4/5	3/4	4/5	4/5	4/5	4/5	4/5
Red CT7B Red 141		100	4	4/5	4	4/5	4/5	3/4	4/5	4	4/5	4/5
Crimson CTSNR 133%		100	4	4/5	4	4/5	3/4	4	4	4	4/5	4/5
Red CTGNR		100	5	4/5	4/5	4/5	3/4	4/5	4/5	4/5	4/5	4/5
Blue CTRD Blue 160		100	5	4/5	4	4/5	3/4	4/5	4/5	4	4	4/5
Br Blue CTGN 125% Blue 198		100	4	4	4	4/5	4	4	4/5	4	4	4/5
Turquoise CTEA Blue 071		100	4	4	4	4/5	2/3	3/4	3/4	4	4	4
Green CT4BD Green 019		100	4	4	4/5	4/5	3/4	4	4	4	2/3	4
Navy CTR 150% Blue 171		100	4	4/5	4	4/5	4	4/5	4/5	4	4	4/5
Navy CTSNR 133%		100	4	4/5	4/5	4/5	4	4/5	4/5	4	4/5	4/5



REACTIVE DYE RANGES



Application Method	Best Quality	Also Suitable	Cheapest Recipe
EXHAUST			
Warm 50-60°C	ITOFIX VM (pale to medium shades)	ITOFIX VSRR (pale shades)	ITOFIX VS (med-full)
	ITOFIX VMHLF (highest light fastness)	ITOFIX VSRGB (medium to full)	
		ITOFIX VMS (very full shades)	
Hot 80-130°C	ITOFIX CTSNR (pale to full shades)	ITOFIX CT (pale to full shades)	
	ITOREACT (pale to medium shades)		
Cold Pad Batch	ITOFIX VM (pale to medium shades)	ITOFIX VSRR (pale shades)	ITOFIX VS (med-full)
	ITOFIX VMHLF (highest light fastness)	ITOFIX VSRGB (medium to full)	
		ITOFIX VMS (very full shades)	
Pad-Dry-Pad-Steam	ITOFIX VMHLF (highest light fastness)	ITOFIX VSRR (pale shades)	ITOFIX VS
	ITOFIX P (medium to full shades)	ITOFIX VSRGB (medium to full)	
		ITOFIX VMS (very full shades)	
Pad - Dry - Steam	ITOFIX P (pale to full shades)	ITOFIX VSRR (pale shades)	ITOFIX VS
		ITOFIX VSRGB (medium to full)	
		ITOFIX VMS (very full shades)	
Pad - Steam		ITOFIX VM (pale to medium)	ITOFIX VS
Pad-Dry-Thermofix	ITOFIX P (pale to full shades)	ITOFIX VSRGB (medium to full)	ITOFIX VS
	ITOFIX VMHLF (highest light fastness)	ITOFIX VMS (very full shades)	
E Control	ITOFIX P (pale to full shades)	ITOFIX VSRR (pale shades)	ITOFIX VS
	ITOFIX VMHLF (highest light fastness)	ITOFIX VSRGB (medium to full)	
Printing	ITOFIX P (pale to full shades)		ITOFIX VS

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