



DYES



TEXTILE

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DISCHARGEABLE REACTIVE DYES



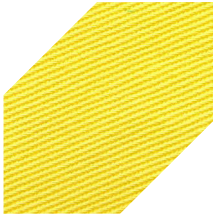
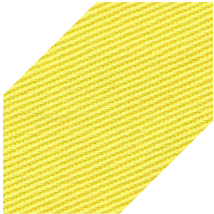
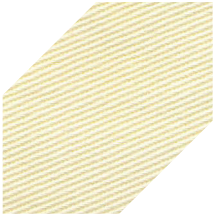
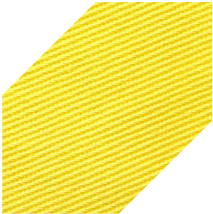
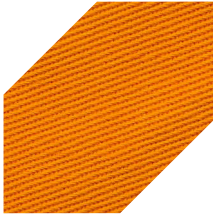
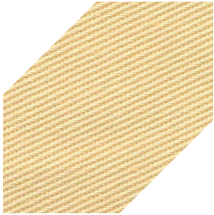
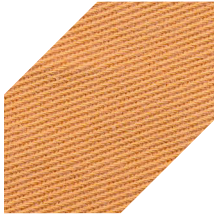
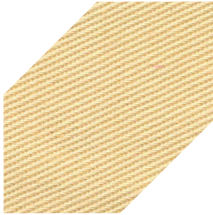
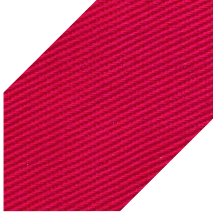
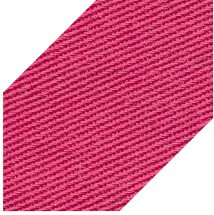
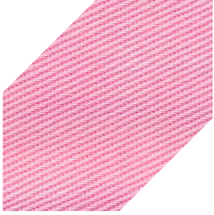
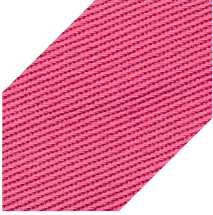
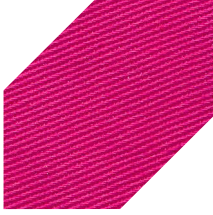
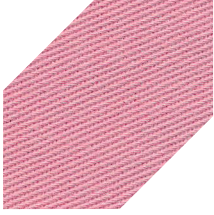
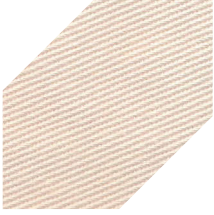
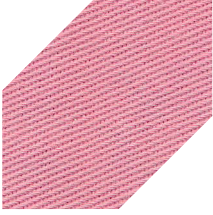
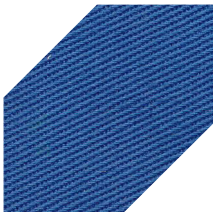
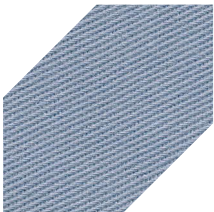
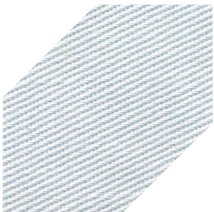
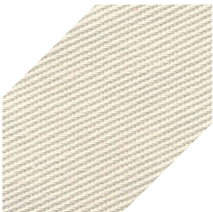
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DISCHARGEABLE REACTIVE DYES

DYESTUFFS
DISCHARGEABILITY

ZAITEX has selected a series of reactive dyes suited to be discharged by using the following systems:


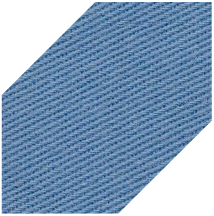



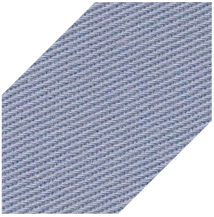

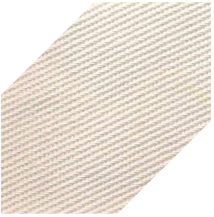


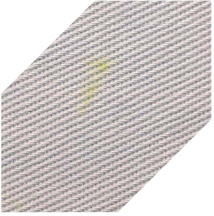
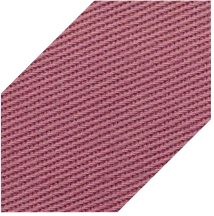





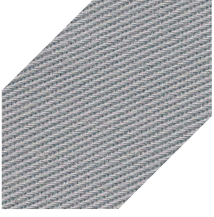

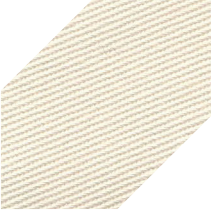


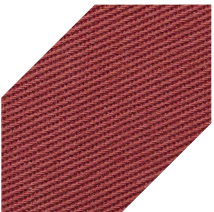

	APJ SYSTEM	POTASSIUM PERMANGANATE	OZONE TREATMENT
Application:	Spray	Spray	Air & water treatment
Product q.ty:	850 g/l ZETAOX APJ 150 g/l ZETAKIN APJ	30 g/l KMnO4 1 g/l ZETAKIN PP	
Drying:	Tumble dry at 60°C for 20'	-	-
Neutralization:	2 g/l ZETAWHITE SO at 45°C for 5'	2 g/l ZETARED PMG at 45°C for 5'	1 g/l Sodium Metabisulfite at 45°C for 3'

	SAMPLES DYED USING 2% DYESTUFFS	DISCHARGEABILITY WITH APJ SYSTEM	DISCHARGEABILITY WITH POTASSIUM PERMANGANATE	DISCHARGEABILITY WITH OZONE TREATMENT
REACTIVE YELLOW TE-2G				
REACTIVE YELLOW TE-S				
REACTIVE RED TE-2B				
REACTIVE RED L-FB				
REACTIVE BLUE L-3B 150%				



DISCHARGEABLE REACTIVE DYES

DYESTUFFS
DISCHARGEABILITY

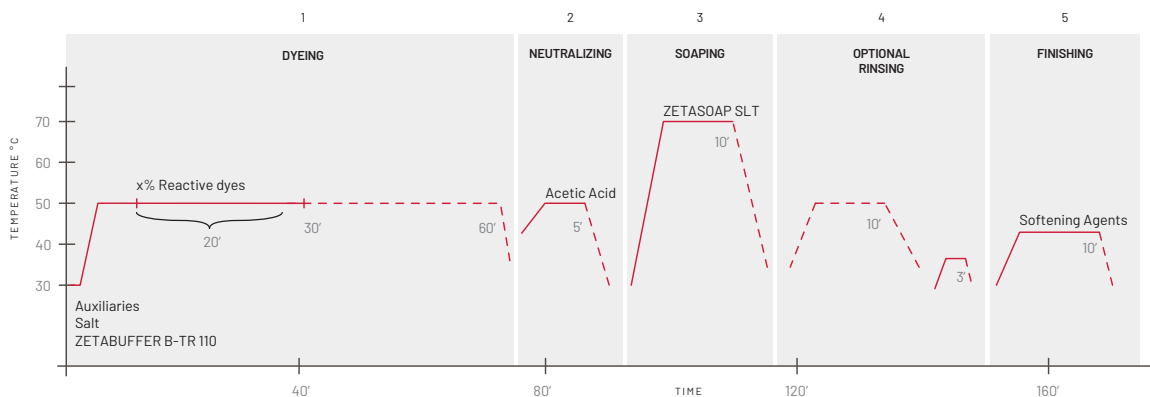
	SAMPLES DYED USING 2% DYESTUFFS	DISCHARGEABILITY WITH APJ SYSTEM	DISCHARGEABILITY WITH POTASSIUM PERMANGANATE	DISCHARGEABILITY WITH OZONE TREATMENT
REACTIVE BLUE TE-G				
REACTIVE BLUE TE-RR				
REACTIVE NAVY RF-M				
REACTIVE OLIVE PS				
REACTIVE GREY PS				
REACTIVE BLACK TE-SL				



ALL-IN DYEING PROCESS

ZAITEK has developed a special dyeing process which makes use of a selection of dischargeable reactive dyes. It allows to avoid a few steps in garment dyeing by using dischargeable reactive dyestuffs. It is a low-temperature process: the maximum temperature during dyeing is 50°C, while in the soaping step, it reaches 70°C.

The following example refers to an all-in dyeing process suited to obtain a remarkable superficial dyeing.



ALKALI BUFFER ZETABUFFER B-TR 110

ZAITEK suggests the following process to use alkali buffer in the dyeing of cellulosic fibres with reactive dyes: **ZETABUFFER B-TR 110** improves the reproducibility of colors and allows to dye at constant pH obtaining a regular exhaustion and an optimum fixation. It is used as an alkali-fixing agent of the reactive dyes in all the different dyeing processes: all-in or semi all-in method, hot fractionated addition, etc. The suggested amount of **ZETABUFFER B-TR 110** changes according to the reactivity of the dyes, the shade, the liquor ratio and, very importantly, the pH and the carbonates content into water in use.

Approximate values for a dyeing process having a **1:5 liquor ratio**

Shade	% dyestuff	g/l Salt	ml/l ZETABUFFER B-TR 110
Pale	0,1 - 0,5	30 - 40	4,0 - 5,0
Medium	0,5 - 2,0	50 - 60	6,0 - 7,0
Deep	2,0 - 4,0	70 - 80	8,0 - 9,0

NB: when dyeing deep shades, use 1 g/l of Caustic Soda to adjust the pH of the bath.



DISCHARGEABLE REACTIVE DYES

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Warnings: the information and recommendations presented here were written with the utmost care, but they can't be extended to cover every possible case. They have to be intended as non-binding guidelines and must be adapted to the process condition. The product - whether used singly or in combination with other substances - should undergo lab tests prior to bulk production. Our Company can not be held responsible for any negative results. The Customers take on full responsibility regardless of the result they are going to get.