Product Placement Chart

Products	Placement	Warm exhaust	Hot exhaust	Cold pad batch	Pad dry chemical pad steam	Printing
Kirazol KR	Difficult shades	S		S	S	
Kirazol KX Conc.	high performance dyeing (deep shades)	S		S	S	
Kirazol KX	high performance dyeing (Md - Dp shades)	S		S	S	
Kiractive P	high performance printing					S
Kiractive KF	Better reproducibility	S		S		
Kirazol KV	High strength shades	S		S	S	
Kiractive HE	Economical high temperature dyeing		S			
Kiractive ME	Economical warm exhaust dyeing	S		S		
Kirazol VS	Commodity multi-use vinyl sulphone	S		S	S	S

Value Added ▲ All Purpose ▼ Economical

Advantages

Kiractive ME Dyes

- Commodity bifunctional dyes for economical shades
- Wide range of products to cover broad shade gamut
- Good build-up behaviour for deep shades
- Good wash fastness levels & good reproducibility

Product placement

Kiractive ME Dyes

Light shades - Golden Yellow MERL / Red ME4BL / Blue BRF
Medium shades - Golden Yellow MERL / Red ME4BL / Navy Blue ME2GL
Deep Shades - Golden Yellow MERL / Red ME4BL / Navy Blue MEBF
Support dyes - Yellow ME4GL / Orange ME2RL / Scarlet 2G / Red MEGF / Red ME3BL / Red ME6BL

Abbreviations

Bl - Bluer, Br - Brighter, Dl - Duller, Dk - Darker,
G - Greener, R - Redder, Y - Yellower
S - Suitable, NS - Not suitable

Dischargeability

D - Dischargeable
F - Fair (Partial dischargeable)
P - Poor (Non dischargeable)

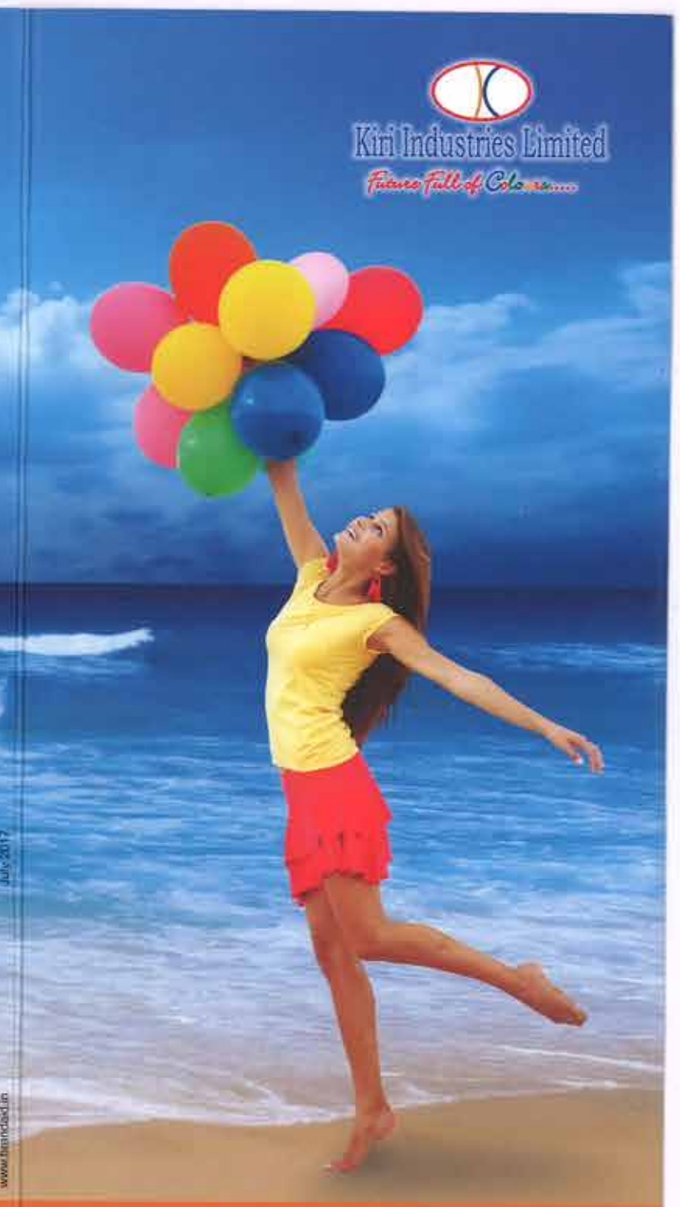
Disclaimer: The information given in this shade card is indicative and its not a part of legal document.

July 2017

Kiri Industries Limited
Future Full of Colours.....

Works: Plot no 299/1/A&B,
Near Water Tank, Phase-II, GIDC,
Vatva, Ahmedabad - 382 445. Gujarat, India.
Phone: 91-79-25894477, 25835297, 40237444
Fax: 91-79-25834960
E-mail: engage@kiriindustries.com,
techservices@kiriindustries.com

www.kiriindustries.com

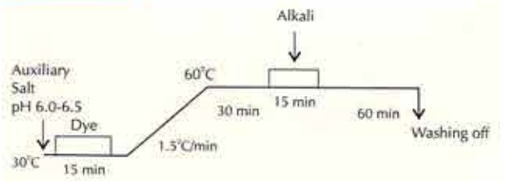


Kiractive ME Dyes

Kiractive ME Dyes

1%	4%	Product Name	Processes: Exhaust Dyeing	Processes: Semicontinuous Dyeing	Processes: Continuous Dyeing	Dischargeability	Solubility g/l: Water - 30°C	Solubility g/l: Salt (90 g/l) - 50°C	Light Fastness: AATCC 16E 1/1	Light Fastness: AATCC 16E 1/3	Light Fastness: ISO BO2 1/1	Light Fastness: ISO BO2 1/3	Washing: CO3 Change in colour	Washing: CO3 Stain (cotton)	Water: E01 Change in colour	Water: E01 Stain (cotton)	Perspiration E04: Acidic Change in colour	Perspiration E04: Acidic Stain (cotton)	Perspiration E04: Alkaline Change in colour	Perspiration E04: Alkaline Stain (cotton)	Rubbing: X12 Dry Rubbing	Rubbing: X12 Wet Rubbing	M&S C10A Change in colour (Damage to Oxidative Bleach)	Chlorinated Water 20mg/lit
		Yellow ME4GL	S	NS	NS	D	120	100	4	3-4	6	5	4-5 / R	4	4-5	4-5	4-5	4-5	4-5 / R	4-5	5	4	4 / R	3 / R, DI
		Golden Yellow MERL	S	S	NS	P	200	200	4-5	4	6	5	4-5 / R	4	4-5	4-5	4-5	4-5	4-5 / R	4-5	5	4	4-5 / R	3
		Orange ME2RL	S	NS	NS	F	60	< 20	3	2-3	3-4	3	4-5	3-4	4-5	4-5	4-5 / R	4-5	4-5	4-5	4-5	4	4-5	4 / R
		Scarlet 2G	S	S	NS	P	200	200	4-5	4	4	3-4	4-5 / DI	3-4	4-5	4-5	4-5 / R	4-5	4-5 / R	4-5	4-5	3-4	4	4
		Red MEGF	S	S	NS	F	60	< 20	4	3-4	4-5	4	4-5	4	4-5	4	4-5 / Br	4	4-5	4	4-5	3-4	4	3
		Red ME3BL	S	S	NS	P	60	< 20	4	3-4	4-5	4	4-5	4-5	4-5	4	4-5	4-5	4-5 / Bl	4	4-5	3	4-5 / DI	3
		Red ME4BL	S	S	NS	P	200	200	4	3-4	4-5	4	4-5	4-5	4-5	4	4-5 / Br	4	4-5	4	4-5	3-4	4-5	3-4
		Red ME6BL	S	NS	NS	P	40	< 20	3-4	3	4-5	4	4-5 / Bl	4	4-5	4	4-5	4	4-5	4	4-5	3-4	4 / Bl	4
		Blue BRF	S	NS	NS	F	40	< 20	4-5	4-5	6	5-6	4-5	4	4-5	4-5	4-5	4-5	4-5	4	5	3-4	4 / DI	3
		Blue ME2RL	S	NS	NS	P	100	60	3	2-3	3	2-3	4-5 / G	4-5	4-5	4-5	4-5 / G	4-5	4-5 / G	4-5	5	3-4	3-4	2-3 / R, DI
		Navy Blue ME2GL	S	NS	NS	F	60	< 20	3-4	3	4	3-4	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	5	3	4-5	3 / G
		Navy Blue MEBF	S	NS	NS	P	40	< 20	3-4	3	4	3-4	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	5	3-4	4 / DI	3 / G

Exhaust Dyeing



Single Alkali Method

Salt and Alkali Requirements

% Dye	Common Salt (g/l)	Soda Ash (g/l)
< 0.1	20	5
0.1 - 0.5	20 - 25	5 - 7
0.5 - 1.0	25 - 40	7 - 10
1.0 - 2.0	40 - 50	10 - 13
2.0 - 3.0	50 - 60	13 - 15
3.0 - 5.0	60 - 80	15 - 20
5.0 - 7.0	80 - 90	20
> 7.0	100	20

Mixed Alkali Method

Salt and Alkali Requirements

% Dye	Common Salt g/l	Soda Ash (g/l)	Caustic Flakes (g/l)
< 0.1	20	5	0
0.1 - 0.5	20 - 25	5	0.3 - 0.38
0.5 - 1.0	25 - 40	5	0.38 - 0.45
1.0 - 2.0	40 - 50	5	0.45 - 0.6
2.0 - 3.0	50 - 60	5	0.6 - 0.75
3.0 - 5.0	60 - 80	5	0.75 - 1.0
5.0 - 7.0	80 - 90	5	1.0
> 7.0	100	5	1.0