Product Placement Chart

	Products	Placement	Warm exhaust	Hot exhaust	Cold pad batch	Pad dry chemical pad steam	Printing
Economical ..... All Purpose ..... Value Added	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

Advantages

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

Product placement

Light shades - Yellow HE4R / Red HE3B / Blue HERD
Medium - Deep shades - Yellow HE4R / Red HE7B / Navy Blue HER
Support dyes - Yellow HE6C / Yellow HE4G / Orange HER / Turquoise Blue HEA
Blue HEGN

Difficult substrate - Viscose, Mercerised cotton, Post Mercerization

Abbreviations

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

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

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

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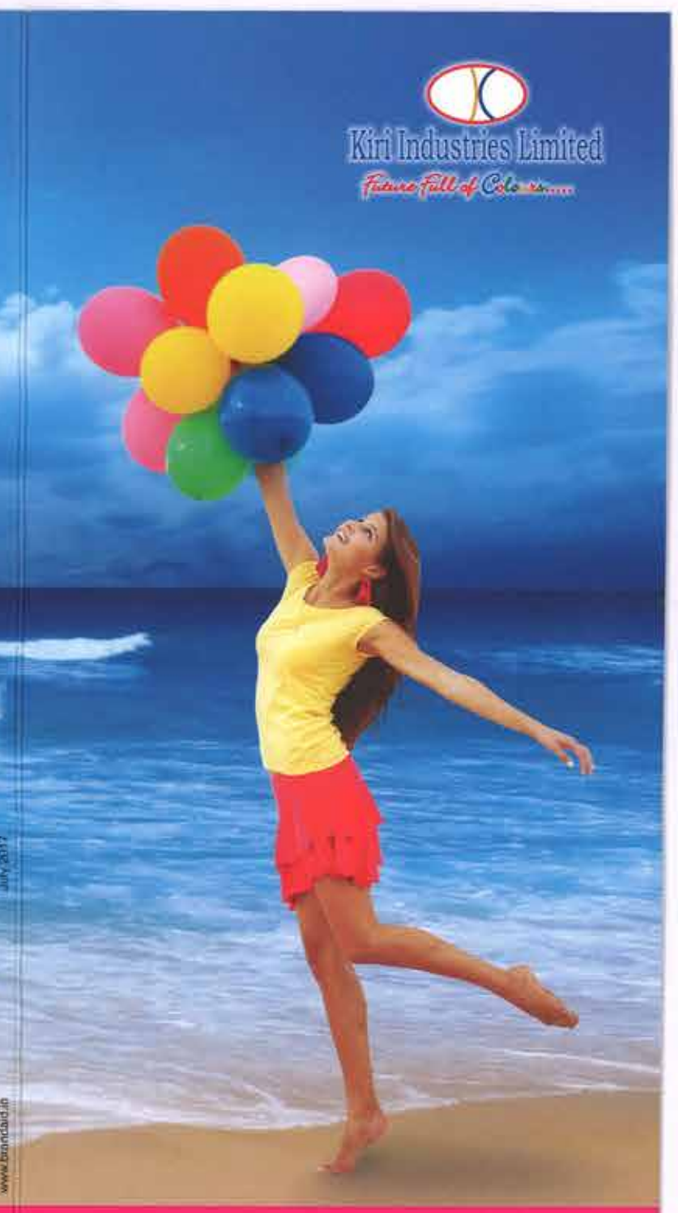

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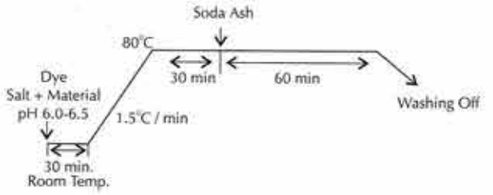
Kiractive HE Dyes

Kiractive HE Dyes

Product Name	Exhaust Dyeing	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	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/l	Mercerizing X04: Change in colour	Mercerizing X04: Stain (cotton)
Yellow HE6G	S	100	< 20	5	4-5	6-7	6	4-5 / R	4	4-5	3-4	4-5	3-4	4-5	3-4	5	4	4 / R	3-4	4-5 / Dk	4
Yellow HE4G	S	15	< 10	4-5	4	6	5	4-5 / R	4-5	4-5	4-5	4-5	4-5	4-5 / R	4-5	5	4	4 / R	2-3	4-5 / Dk	4-5
Yellow HE4R	S	80	< 20	4-5	4	6	5	4-5	4	4-5	4	4-5	4	4-5	4	4-5	4	4-5	3	4-5 / Dk	4-5
Orange HER	S	30	< 10	3-4	3-4	3-4	3	4-5	4	4-5	4	4-5	4	4-5	4	4-5	4	4	4 / R	4-5 / Dk	4
Red HE3B	S	200	40	4-5	4	5	4	4-5	4	4-5	4-5	4-5	4-5	4-5 / Bl	4-5	4-5	3-4	4-5	3-4 / Dl	4-5 / Dk	4
Red HE7B	S	200	125	4	3-4	4	3-4	4-5	4	4-5	4	4-5	4-5	4-5 / Bl	4-5	4-5	3-4	4	3-4 / Bl	4-5 / Dk	4
T.Blue HEA	S	100	< 20	5	4-5	5-6	5	4	3	4-5	4	4-5	3-4	4-5	3-4	4-5	3	4	3-4 / G,Y	4-5 / Dk	3-4
Blue HEGN	S	60	< 20	5	4-5	6-7	6	4-5	4	4-5	3-4	4-5 / G	4	4-5	4	4-5	3	4	2-3 / G,Dl	4-5 / Dk	4
Blue HERD	S	150	< 20	4	4	5	4-5	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	5	3-4	3-4	2-3 / Dl	4-5 / Dk	4-5
Navy Blue HER	S	200	< 20	3-4	3-4	4	3-4	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	5	3-4	3-4	3 / G,Dl	4-5 / Dk	4-5

Exhaust Dyeing



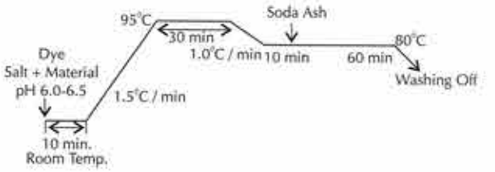
Cotton

Salt and Alkali Requirements

% Dye	Common Salt (g/l)	Soda Ash (g/l)
< 0.2	30	10
0.2 - 0.5	30 - 45	10
0.5 - 1.0	45 - 60	15
1.0 - 2.0	60 - 80	15
2.0 - 3.0	80 - 85	20
3.0 - 4.0	85 - 90	20
>4.0	90	20

* Glauber's salt is recommended with Turquoise Blue

Viscose / Mercerised Cotton



Salt and Alkali Requirements

% Dye	Common Salt (g/l)	Soda Ash (g/l)
< 0.2	20	10
0.2 - 0.5	20 - 30	10
0.5 - 1.0	30 - 35	15
1.0 - 2.0	35 - 45	15
2.0 - 3.0	45 - 55	15
3.0 - 4.0	55 - 65	20
>4.0	70	20

* Glauber's salt is recommended with Turquoise Blue