













## Ankit Reactive Dyes For Textile Printing

- Suitable for printing by roller flat screen & rotary screens
- Ease of print paste preparation
- Wide range of exceptional brilliance
- Good solubility
- Can be fixed by various methods
- Good all round fastness properties

ANKIT "P" DYES	100% Cotton Fabric at 120°C	% OF SHADE	GENERAL PROPERTIES			FASTNESS PROPERTIES						
			AFFINITY	SOLUBILITY (PLAIN WATER)	DISCHARGEABILITY	WASH - OFF PROPERTIES	LIGHT (ISO 105-B02)	WASHING (ISO-105 C03)	PERSPIRATION (ISO 105-E04)		RUBBING (ISO 105-X02)	
									ALKALI	ACID	WET	DRY
Yellow FGL		3%	M	100	G	A	4-5	4-5	2-3	2	4-5	4-5
Golden Yellow R		3%	H	100	G	A	4-5	4-5	4-5	4	3-4	4-5
Yellow P-4G		3%	M	100	F	A	4	4	4	4	3-4	4-5
Orange P-3R		3%	H	100	G	B	4	4	4-5	4-5	3-4	4-5
Red P-2B		3%	M	100	P	B	4	4	4-5	4-5	4	4-5
Violet H-3R		3%	H	80	P	A	4	4	3	4-5	3-4	4-5
Blue H-5R		3%	H	100	P	B	4	4	4	4	3-4	4
Blue P-5R		3%	H	70	P	B	4	4	4	4	3-4	4
Blue P-3R		3%	H	100	P	A	4-5	4-5	4	4	4	4-5
Black HN		6%	M	80	P	B	4-5	4	3-4	3-4	3	4-5

G = Good

F = Fair

P = Poor

## GENERAL PROPERTIES

### Solubility

Room temperature at 25°C

### Stability of color paste

Color paste of 2% o.w.p. containing sodium bicarbonate of 2% o.w.p. is stored at about 35°C for two weeks.

Dyes showing the fall of depth within 10% comparing with unstored one is classified as A group and over 10% classified as B group.

### Wash-off properties

Washing-off property is divided from the degree of staining on white ground at soaping stage on heavy shade printing, into the following groups.

A: Very excellent

B: Excellent

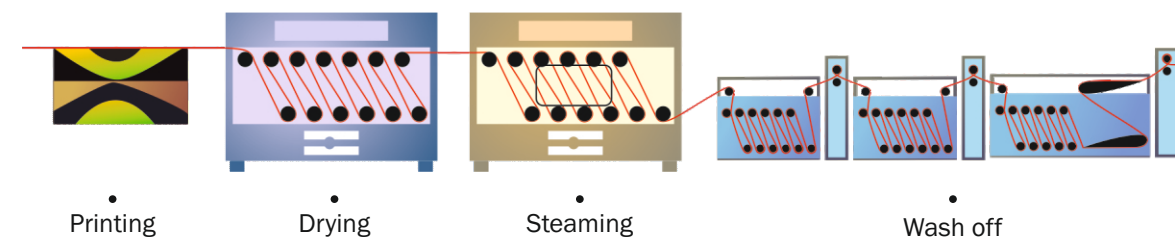
C: Somewhat poor

D: Poor

## FASTNESS TEST METHODS

<b>Light</b>	ISO 105-B02	Light fastness was tested at the given standard depth. Blue scale (1-8 grade)
<b>Washing</b>	ISO 105 C06-C25	4g/l ECE reference detergent, 1g/l Sodium perborate, 30min, at 60°C
<b>Perspiration</b>	ISO 105-E04	<b>Acid solution :</b> 0.5g/l L-histidine, 5g/l Sodium chloride 2.5g/l NaH <sub>2</sub> PO <sub>4</sub> .2H <sub>2</sub> O, pH 5.5, 4hrs at 37°C <b>Alkali solution :</b> 0.5g/l L-histidine, 5g/l Sodium chloride 2.2g/l Na <sub>2</sub> HPO <sub>4</sub> .2H <sub>2</sub> O, pH 8.0, 4hrs at 37°C
<b>Rubbing</b>	ISO 105-X12	Upper - dry, Lower - wet

## Printing



## Processing after printing

Chemical pad (g/l)	Normal Steaming	HT Steaming	Baking	Steaming Process	H.T. Steaming Process	Thermofix Process (Baking)
ANKIT	X	X	X	↓ • Dry	↓	↓
Urea	50-100	100-200	100-200			
Water	Y	Y	Y			
Stock paste (4-12%)	400-600	400-600	400-600	Steam at 103 °C for 5-10min.	Steam at 130 °C for 3-5min.	Steam at 150 °C for 2-3min.
Reduction inhibitor	10-20	10-20	10-20	↓	↓	↓
Alkali	10-30	10-20	10-20			
Total		1000				

• Rinse ( Cold water Hot water )  
• Soap over 90°C in nonionic or anionic detergent solution  
• Rinse ( Hot water Cold water )  
• Dry