



SS

SUPERIOR STRENGTH REACTIVE DYES

SPECTRON



Superior Strength
Reactive Dyes

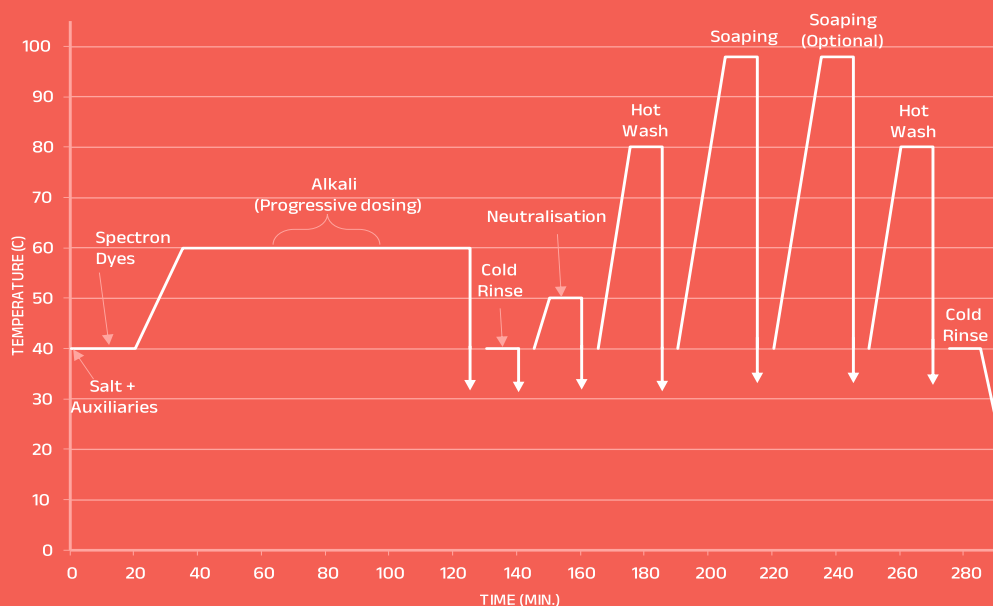
- High strength dyes
- Unique formulations to cover widest gamut of shades
- Higher fixation values
- Low salt content helping to reduce the ETP load.
- Good overall fastness performance

Recommendations for Exhaust dyeing :

Salt and Alkali Recommendation for Reactive dyes

		% Shade	0.5-1.0%	1.0-2.0%	2.0-4.0%	>4.0%	Dark Black
1	Single alkali method	Glauber's Salt (gpl)	40	50	60	80	80-100
		Soda Ash (gpl)	15	20	20	25	25
2	Mixed alkali method	Soda Ash (gpl)	5	5	5	5	6
		Caustic Soda (gpl)	0.25-0.50	0.50	0.50-1.00	150	150-200

Recommended Exhaust dyeing cycle at 60°C



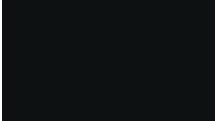
Note:

- Repeated soaping is recommended for darker shade.
- Good after treatment helps to improve wet fastness properties and gives brighter appearance to goods.

Technical Profile :

Fastness is tested at 1/1 SD on 100% cotton interlock knitted fabric (210 gsm)

SPECTRON	1/1 SD	Shade	Light Fastness ISO 105 B02 (Upto 6)	Wash ISO 105 C10: C 60°C	Wash ISO 105 C06 C2S 60°C	Water ISO 105 E01	Perspiration ISO 105 E04		Crocking ISO 105 X12	Chlorinated Water ISO 105 E03 (20 ppm)	Dischargeability (Sodium Sulphoxylate formaldehyde)	Solubility Grams/Litre	
			1/1 SD 1/6 SD	CoS CO	CoS CO	CoS CO	CoS CO	CoS CO	Dry Wet	CoS		Neutral Solubility	Salt Solubility (In 60 gpl Glauber's salt)
YELLOW SSG	1.00%		6 5	4 4-5	4 4	4-5 4	4-5 4-5	4-5 4-5	4 3	3-4	D	100	60
YELLOW SSR	1.30%		6 6	4 4-5	4 4	4-5 4-5	4-5 4-5	4-5 4-5	4-5 3-4	4	D	100	80
GOLDEN YELLOW SS	1.50%		6 5-6	4 4-5	4 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 3-4	4	D	100	80
ORANGE SSR	1.00%		4 3	4 4	4 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 3-4	3-4	D	100	80
SCARLET SSR	0.90%		5-6 3	4 4	4 4	4-5 4	4-5 4-5	4-5 4-5	4-5 3	3	D	100	80
CRIMSON SS	1.25%		3 2	4 4	4 4	4-5 4	4-5 4	4-5 4	4-5 3	3-4	MD	100	80
RED SSB	1.00%		5 3-4	4 4	4 4	4-5 4-5	4-5 4-5	4-5 4-5	4-5 3	4	MD	100	80
MAROON SSR	0.80%		4 3	4 4	4 4	4-5 4	4-5 4-5	4-5 4-5	4-5 3-4	4	D	80	60

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			1/1 SD 1/6 SD	CoS CO	CoS CO	CoS CO	Acidic CO	Alkaline CO	Dry Wet	CoS		Neutral Solubility	Salt Solubility (In 60 gpl Glauber's salt)
BLUE SSR	3.00%		6 5-6	4 4	4 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 2-3	3-4	ND	100	80
INDIGO SS	2.50%		3 3	4 4	4 4	4-5 4	4-5 4	4-5 4	4-5 3	2	ND	100	80
BLUE SSG	2.00%		4 3	4 4	4 4	4-5 4-5	4-5 4-5	4-5 4-5	4-5 2-3	3-4	D	100	80
NAVY SSG	1.50%		3-4 1-2	4 4-5	4 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 3-4	2	D	200	150
NAVY SSR	1.20%		3-4 2	4 4-5	4 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 3	3	D	200	150
BLACK SSG	6.00%		4 2	4 4	4 4	4-5 4	4-5 4	4-5 4	3-4 2-3	3-4	D	200	150
BLACK SSN	6.00%		5 2	4 4	4 4	4-5 4	4-5 4-5	4-5 4-5	4 2-3	3-4	D	200	150
BLACK SSR	6.00%		3 2	4 3-4	4 4	4-5 4	4-5 4	4-5 4-5	4-5 2-3	3-4	D	200	150

Abbreviation: Cos = Change of Shade, CO = Cotton staining, D = Dischargeable, MD = Moderate Discharge



As Colorz India Pvt Ltd (formerly Colours India INC) proudly marks its 25th year of establishment, we celebrate with launch of our technically advanced superior strength reactive dyes -

Spectron SS

A proven range of low salt dyestuffs with a high degree of fixation, specially formulated for dark to ultra-dark shades.

In line with our commitment to sustainable practices in this silver jubilee year, Spectron SS dyes are helping us and our customers significantly reduce ETP load, water usage, and energy consumption.

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Certificate No: 6768
ISO 9001
ISO 14001
ISO 45001



Ø ZDHC MRSL v3.1 Conformance Level 3
Chemical to Zero(CtZ) - Progressive Level

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