

SHADE 4.0%	REACTIVE 'VS' DYES (C.I. REACTIVE)	FASTENSS TO					SOLUBILI- TY at 30°C	
		LIGHT [1/1]	WASH- ING [ISO4]	PERSPI- RATION	HYPOCH- LORITE	SEA WATER	STRAI- GHT	WITH 30 G/L SALT
	G. Yell. RNL (Orange 107)	4-5	5	4-5	1	4	90	90
	Orange 3R (Orange 16)	5-6	3-4	4-5	1	4	70	60
	Orange FR (Orange 82)	5-6	5	4-5	2	4	100	80
	Red F₃B (Red 180)	4-5	4-5	4-5	3-4	4	120	80
	Red RB (Red 198)	5-6	4-5	4	1	4	100	90
	Red BB	6	5	4-5	2	4	100	90
	Violet 5R (Violet 5)	6-7	3-4	3-4	1-2	4	100	80
	Blue R (Blue 19)	7	5	5	3-4	4-5	80	40
	Blue 3R (Blue 28)	6-7	4	3-4	3-4	3-4	100	80
	Brown GR (Brown 18)	5-6	3-4	4	1	4	100	100
	Bordeaux B (Red 49)	5-6	4-5	4-5	3	4	80	50
	N. Blue GG (Blue 203)	5-6	4-5	4-5	1	5	100	80
	N. Blue RGB	6	5	4	1	4-5	100	80
	Dark Blue HR (Blue 89)	6	3-4	4	1	4	80	60
	Black B (Black 5)	5	4-5	5	1	4	100	100

[illegible]

	REACTIVE BI-FUNCTIONAL DYES (C.I. REACTIVE)	FASTENESS TO					SOLUBILI- TY at 30°C	
		LIGHT [1/1]	WASH- ING [ISO4]	PERSPI- RATION	HYPOCH- LORITE	SEA WATER	STRAI- GHT	WITH 30 G/L SALT
	Yell. BF₇G (Yell. 185)	5-6	4-5	4	4	4	80	60
	Yell. BF₃G	4-5	4-5	4-5	2-3	4	70	60
	Yell BF₄G (Yell. 160-A)	6-7	4-5	4-5	5	3-4	70	30
	G. Yell. BFR (Yell. 145)	5	5	5	3	4	50	30
	Orange BF₂R (Orange 122)	4-5	4-5	4-5	4	4	120	80
	Red BF₃B	5	4-5	4	3	4	100	80
	Red BF₄B (Red 195)	5	4	4	4-5	4	70	50
	Red BF₆B (Red 250)	6	4-5	4-5	4	4	100	70
	Red BFGN (Red 223)	4-5	5	4	3-4	4-5	80	70
	N. Blue BFBN (Blue 222)	4-5	5	4	3-4	4	80	70
	N. Blue BF₂BN (Blue 194)	4	5	4	3-4	4	80	70
	R. Brown BFBR	6	3-4	3-4	3-4	4	80	60
	Black BFGR	4-5	4-5	4-5	2	4	100	100
								
								

We offer wide range of Reactive Dyes and are recommended for their consistency and quality for their hues and shades, for their fastness and other properties.

'M' DYES : are highly reactive and can be applied at temperature below 50°C.

'H' DYES : are less reactive dyes and requires more severe condition for fixation. These dyes are more popular for printing and have better fastness property.

Salt and Alkali requirement

	Salt	Alkali
Cold Brand	30-60 g/l	Soda ash 5-20 g/l
Hot Brand	40-80 g/l	Soda ash 20 g/l

'VS' DYES : These are vinyl sulphone based dyes & offers wide range of colours which are versatile enough to suit different dyeing methods. Results are excellent and shades come clean and brilliant with no variation in dyeing as well as printing.

V.S. Dyes are suitable for following application

- 1) Pad-Jlg Process.
- 2) Two bath pad steam process.
- 3) One bath pad steam process.
- 4) One bath pad Batch process (With Sodium Silicate)
- 5) Two bath pad batch process.
- 6) Thermofixation process.
- 7) Printing.

SALT AND ALKALI REQUIREMENTS

	40°C	60°C
Glauber's Salt - g/l	50	50
Tri Sodium phosphate - g/l	10-15	5-10

'HE' DYES : are specially developed for high exhaustion and good build up. Due to high fixation rate, the drained and was liquor after dyeing contains much less quantity of unfixed dyes. Controlled salt addition and temperature gives good level dyeing before alkali addition.

'HE' dyes are not affected by variation in material to liquor ratio.

SALT AND ALKALI REQUIREMENTS :

	upto 0.5%	0.5% to 1.0%	1.0% to 2.0%	2.0% to 4.0%	4.0% and above
Salt (Gms/L)	30	45	60	70	90
Soda Ash (Gms/L)	10	15	15	20	20

Bi-FUNCTIONAL DYES : are low temperature high Exhaust dyes with high grade all round fastness properties. Because of low Sensitivity to temp. and excellent alkali stability shades dyed by these dyes are highly reproduceable.

Salt and Alkali Requirement

Glauber's Salt - 50 g/l

Soda Ash - 20 g/l