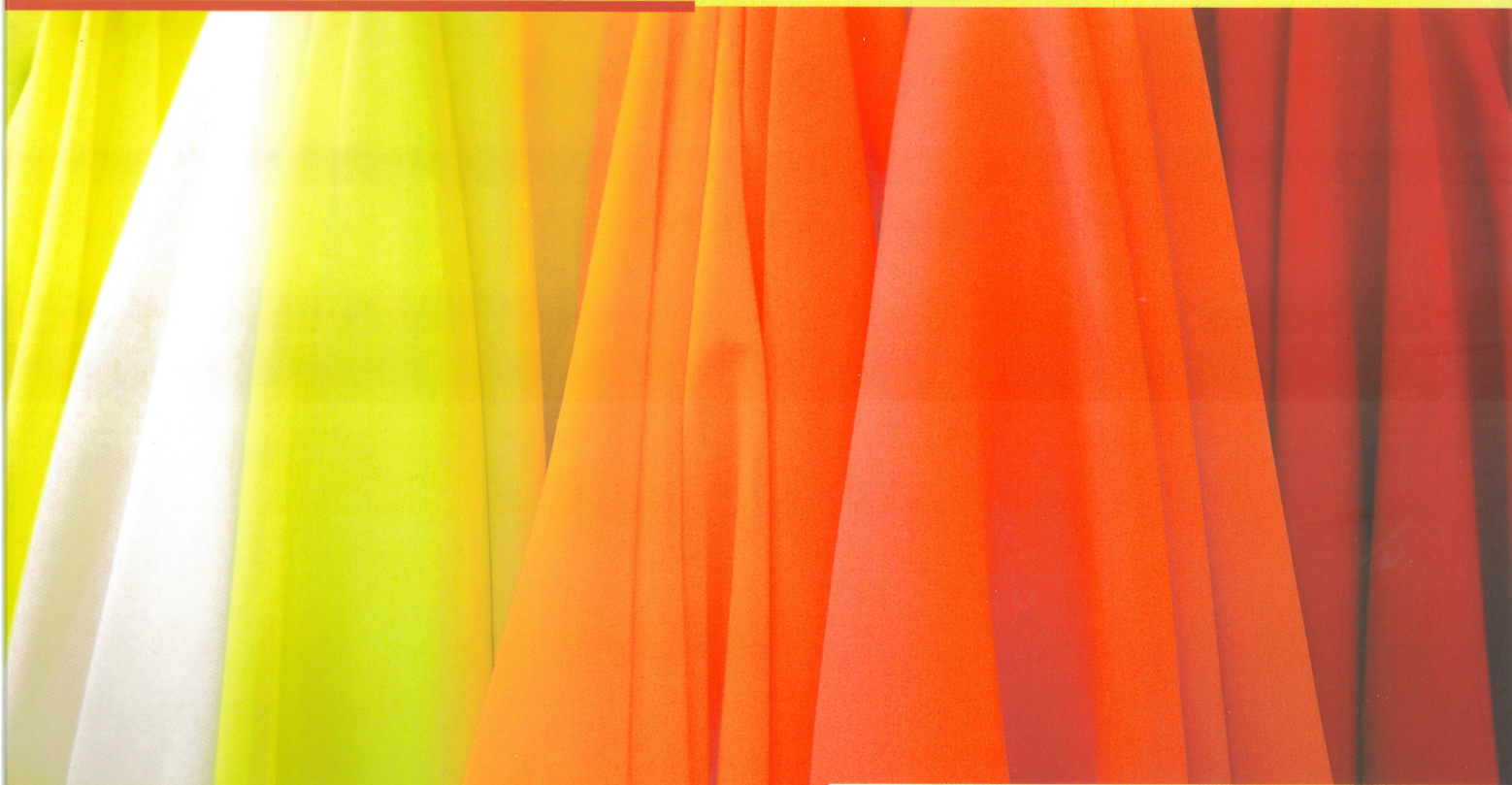




Bodal Chemicals Ltd.
COLOURS. INTEGRATION. INNOVATION.

A New Sustainable Colour

CHEMACTIVE RANGE

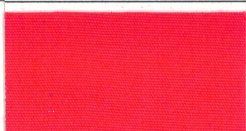
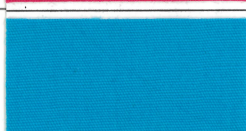
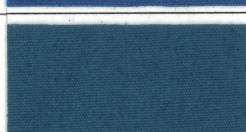


For Cellulose Dyeing

Developed by SENER BOYA KIMYA TEKSTIL SANAYI VE TICARET A.S.(Turkey)

Manufactured by BODAL(India)

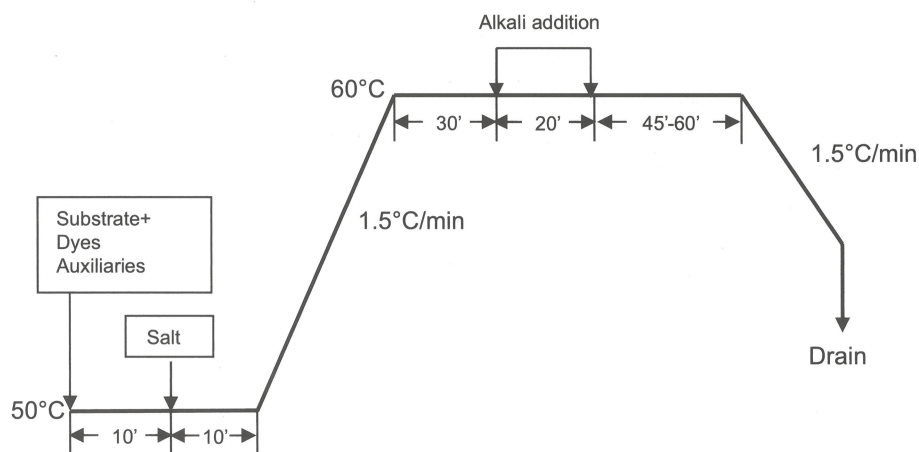
AN INNOVATIVE INTEGRATION OF COLOURS

 Bodal Chemicals Ltd. COLOURS. INTEGRATION. INNOVATION. CHEMACTIVE RANGE	STD Depth (1/1)	Exhaust Dyeing		Solubility (g/l)		Suitability for Process		
		Shade (%)		30°C	60°C	Exhaust	CPB	PDPS
		2.0	4.0	Water	50 g/l Salt			
CHEMACTIVE YELLOW 3RF	1.20%			100	80	S	S	S
CHEMACTIVE YELLOW SF	1.20%			100	80	S	S	S
CHEMACTIVE YELLOW SN	1.10%			100	80	S	S	S
CHEMACTIVE RED S2B	2.00%			100	80	S	S	S
CHEMACTIVE RED SF	1.60%			100	80	S	S	S
CHEMACTIVE RED 3BF	1.50%			100	80	S	S	S
CHEMACTIVE RED DSB	1.80%			100	80	S	S	S
CHEMAZOL TURQ BLUE G	2.60%			100	80	S	S	NS
CHEMACTIVE BLUE BR-F	1.90%			100	80	S	NS	NS
CHEMACTIVE NAVY BLUE GG	4.50%			100	80	S	S	S
CHEMACTIVE NAVY SF-P	4.00%			100	80	S	S	S

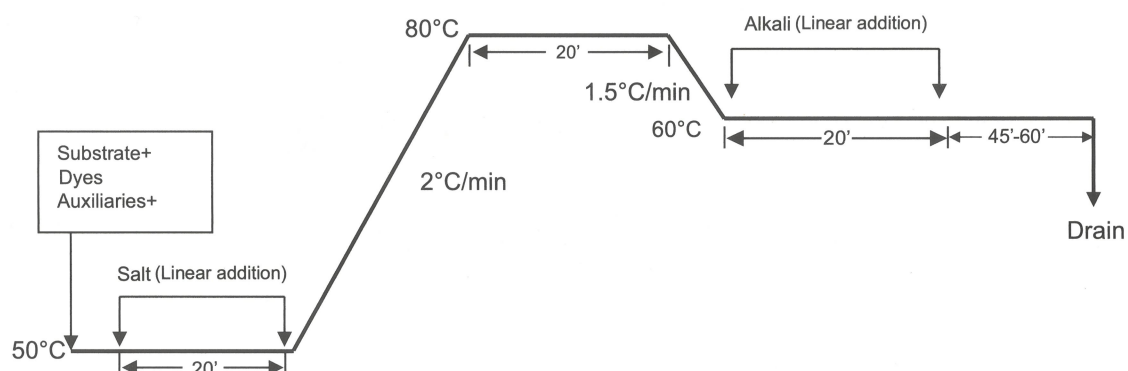
Fastness Properties																	
Light ISO 105 B02	Washing ISO 105 C03		Perspiration ISO 105 E04				Water ISO 105 E01	Rubbing ISO 105 X12		Mercerisation ISO 105 X04		Chlorinated Water ISO 105 E03	Oxidative Bleach Damage M&S C10A	Hot Pressing ISO 105 X11 Effect		Dischargeability	Benzoyl Peroxide
			Acidic		Alkaline												
			1/1	Effect	Stain	Effect											
5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	3-4	3-4	4-5	4R DI	4R	ED	4
5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	3-4	3-4	4-5	4R DI	4R	ED	4
5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4	4-5	3-4	3-4	4	4R	4R	ED	4
4	4-5	4	4-5	4-5	4-5	4	4	4-5	4	3-4	4	4	4	3	4-5	D	4
4	4-5	4	4-5	4	4-5	3-4	4	4-5	3-4	4-5	3-4	4	4-5	4	4-5	ND	4
4	4-5	4	4-5	4	4-5	4	4	4-5	3-4	4-5	3-4	4	4-5	3BI	4-5BI	ND	4
4	4-5	4-5	4-5	4	4-5	4-5	4	4-5	3-4	4-5	3	4	4	3BI	4-5BI	ND	4
5	4-5	4	4-5	4	4-5	4	4	4	3-4	3-4	3	3G	4-5	4-5Y	4-5	ND	1-2
4-5	4-5	4	4-5	4	4-5	4	4	4-5	4	4	4	3	4	4R	4-5	ND	1-2
3-4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4	4	4	2-3	4-5	4R	4-5	D	4R
3-4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4	4	4	2-3	4-5	4R	4-5	D	3R

Dyeing methods

Method 01: Temperature rise method



Method 02: Migration method



Salt and alkali recommendation

Shade (%)	Glauber's Salt (g/l)		Alkali (g/l)		
	Unmerc. Cotton	Merc. Cotton or Viscose Rayon	Soda Ash	Mixed Alkali	
				Soda Ash	Caustic Soda (100%)
Up to 0.50%	30	20	10	5	0.2
0.51 - 1.00%	45	30	15	5	0.2
1.01 - 2.00%	60	40	15	5	0.5
2.01 - 4.00%	70	55	20	5	1.0
Above 4.00%	90	65	20	5	1.0

Key to abbreviations

Y	- Yellower	ED	- Ecu Discharge
BI	- Bluer	D	- Dischargeable
R	- Redder	ND	- Non Dischargeable
G	- Greener	S	- Suitable
DI	- Duller	NS	- Non Suitable

Washing off process

- Cold rinse for 10 min at RT
- Warm wash for 10 min at 60°C
- First Soaping for 20 min at 95°C
- Second Soaping for 20 min at 95°C
- Hot Wash for 10 min at 80°C
- Neutralisation for 10 min at 55°C
- Cold Rinse

CHEMACTIVE dyes

- Excellent compatibility with very good washing off properties
- Very good reproducibility
- Good fastness level
- Robust to dyeing
- High degree of exhaustion and fixation

Trichromatic recommendation

LIGHT SHADES	MEDIUM SHADES	DARK SHADES
CHEMACTIVE Yellow 3RF CHEMACTIVE Red 3BF CHEMACTIVE Blue BR-F	CHEMACTIVE Yellow SF CHEMACTIVE Red SF CHEMACTIVE Blue BR-F	CHEMACTIVE Yellow SN CHEMACTIVE Red DSB CHEMACTIVE Navy Blue GG CHEMACTIVE Navy SF-P

Recommended Product: Bodal Auxiliaries

BODAX PFE:

Dyebath conditioner and iron chelator

BODAX VNF:

Wetting cum deaerating agent for continuous process

BODAX PCRD:

Special wetting and scouring agent for all type of fibers

BODAX DRDL:

Economical Leveling agent

BODAX DXCW:

Soaping agent for removal of hydrolysed Reactive dyes

BODAX DNF:

Economical non-formaldehyde Dye-fixing agent



Bodal Chemicals Ltd.[®]

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