



DYES
for
TEXTILE

by  **Softer Color**

catalogue

SOFTACTIVE
VS DYES

SOFTER COLOR SRL

Via Golfarelli, 88/D
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Multi-use, economical dyes

Softer Color is glad to provide you a wide range of economical multi-use colors featuring good fastness properties and suitable for discharge ground.

Placement

Light shades	Medium shades	Deep shades
Yellow Softactive GR, Orange Softactive 3R, Red Softactive BB, Blue Softactive R	Golden Yellow Softactive RNL, Red Softactive RB, Blue Softactive R	Golden Yellow Softactive RNL, Red Softactive RB, Navy Blue Softactive GG, Black Softactive B

LEGENDA:

BL = bluer; BR = brighter; DL = duller;
DK = darker; G = greener; R = redder;
Y = yellower; S = suitable; NS = not suitable

DISCHARGEABILITY:

D = dischargeable;
F = fair (partial dischargeable);
P = poor (non dischargeable)

Responsability

Softer Color declines any responsibility for incorrect or improper use of its dyes.
These products are not toxic, but it is very important to respect the safety rules provided by the attached SDS. For any questions, please contact us at +39 0543 724672

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		Processes				Solubility g/l		Light fastness				Washing	
		Exhaust dyeing	Semicontinuous dyeing	Continuous dyeing	Dischargeability	Water - 30 °C	Salt (90 g/l) - 50 °C	AATCC 16E 1/1	AATCC 16E 1/3	ISO B02 1/1	ISO B02 1/3	C03	
												Change in colour	Stain (cotton)
Yellow Softactive FG													
1%		S	NS	NS	D	150	150	4	3÷4	4	4	4÷5	5
4%													
Yellow Softactive GR													
1%		S	S	S	D	200	60	4÷5	4	6	5÷6	4÷5 R	4÷5
4%													
Golden Yellow Softactive RNL													
1%		S	S	S	D	200	200	4	3÷4	4	3÷4	4÷5	4÷5
4%													
Golden Yellow Softactive R													
1%		S	NS	NS	D	60	60	4	3÷4	3÷4	3	4÷5	4÷5
4%													
Orange Softactive 3R													
1%		S	S	S	F	80	< 20	4	3÷4	4	3÷4	4÷5	4÷5
4%													

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	Water	Prespiration E04				Rubbing		M&S C10A	Chlorinated water 20 mg/lit		
		E01		Acidic	Alkaline	X12					
		Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)			Dry rubbing	Wet rubbing
Yellow Softactive FG											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	5	4	3÷4 R	2÷3
4%											
Yellow Softactive GR											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5 R	4÷5	5	4	3÷4 G	3 R, DL
4%											
Golden Yellow Softactive RNL											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	5	4	4	3÷4 DL
4%											
Golden Yellow Softactive R											
1%											
		4÷5	4÷5	4	4÷5	4	4÷5	5	4	4	3 DL
4%											
Orange Softactive 3R											
1%											
		4÷5	4÷5	4÷5 R	3÷4	4 R	3÷4	5	4	3	3÷4 DL
4%											

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		Processes				Solubility g/l		Light fastness				Washing	
		Exhaust dyeing	Semicontinuous dyeing	Continuous dyeing	Dischargeability	Water - 30 °C	Salt (90 g/l) - 50 °C	AATCC 16E 1/1	AATCC 16E 1/3	ISO B02 1/1	ISO B02 1/3	C03	
												Change in colour	Stain (cotton)
Red Softactive BB													
1%		S	NS	NS	D	150	< 20	4	3÷4	3÷4	5÷6	4÷5	4
4%													
Red Softactive RB													
1%		S	S	S	P	200	< 20	3÷4	3	3	5÷6	4÷5	4÷5
4%													
Violet Softactive 5R													
1%		S	S	S	F	100	100	4÷5	4	5÷6	5÷6	4÷5	4÷5
4%													
Blue Softactive R													
1%		S	NS	NS	P	120	100	4÷5	4	5÷6	5÷6	4÷5	4÷5
4%													
Turquoise Softactive SBF													
1%		S	S	NS	P	150	< 20	4÷5	4	5	5÷6	4	3
4%													

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		Water		Prespiration E04				Rubbing		M&S C10A Change in colour (damage to oxidative bleach)	Chlorinated water 20 mg/lit
		E01		Acidic		Alkaline		X12			
		Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Dry rubbing	Wet rubbing		
Red Softactive BB											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	5	4	3	3
4%											
Red Softactive RB											
1%											
		4÷5	4÷5	4 BL	4÷5	4÷5 BL	4÷5	5	4	3	3
4%											
Violet Softactive 5R											
1%											
		4÷5	4÷5	4 BL	4÷5	4 BL	4	4÷5	4	3÷4 BL	3÷4
4%											
Blue Softactive R											
1%											
		4÷5	4÷5	4	4÷5	4÷5	4÷5	4÷5	3÷4	4 G	3÷4 G, DL
4%											
Turquoise Softactive SBF											
1%											
		4÷5	3÷4	4÷5	4	4	3÷4	4÷5	3	4	3 Y
4%											

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		Processes				Dischargeability	Solubility g/l		Light fastness				Washing	
		Exhaust dyeing	Semicontinuous dyeing	Continuous dyeing	Water - 30 °C		Salt (90 g/l) - 50 °C	AATCC 16E 1/1	AATCC 16E 1/3	ISO B02 1/1	ISO B02 1/3	C03		
												Change in colour	Stain (cotton)	
Navy Blue Softactive GG														
1%		S	S	S	D	200	200	3÷4	3	4	3	4÷5	4÷5	
4%														
Noir Softactive B														
1%		S	S	NS	D	200	150	3÷4	3	3÷4	2÷3	4÷5	4÷5	
4%														
Black Softactive RL														
1%		S	NS	NS	P	120	100	4	3÷4	4	3	4÷5	4	
4%														

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	Water		Prespiration E04				Rubbing		M&S C10A Change in colour (damage to oxidative bleach)	Chlorinated water 20 mg/lit	
	E01		Acidic		Alkaline		X12				
	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Dry rubbing	Wet rubbing			
Navy Blue Softactive GG											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	3÷4	3÷4	3 G
4%											
Noir Softactive B											
1%											
		4÷5	4÷5	4÷5	3÷4	4÷5	4÷5	4÷5	3÷4	2÷3 DL	3 G, DL
4%											
Black Softactive RL											
1%											
		4÷5	4÷5	4	4÷5	4	4÷5	4÷5	4	2÷3 R	2÷3
4%											

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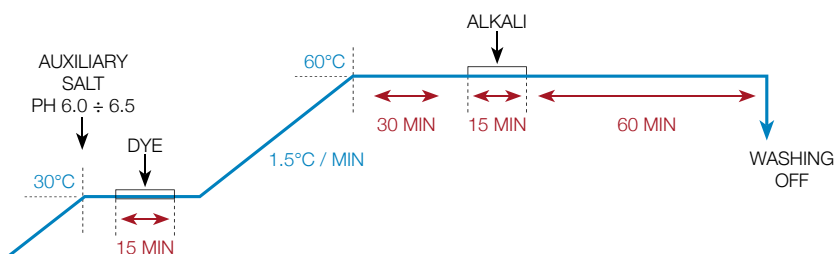
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INSTRUCTION FOR DYEING USING SOFTACTIVE VS DYES

Exhaust dyeing



• Single alkali method (salt and alkali requirements):

% Dye	< 0.1	0.1÷0.5	0.5÷1.0	1.0÷2.0	2.0÷3.0	3.0÷5.0	5.0÷7.0	> 7.0
Common salt g/l	20	20÷25	25÷40	40÷50	50÷60	60÷80	80÷90	100
Soda Ash g/l	5	5÷7	7÷10	10÷13	13÷15	15÷20	20	20

• Mixed alkali method (salt and alkali requirements):

% Dye	< 0.1	0.1÷0.5	0.5÷1.0	1.0÷2.0	2.0÷3.0	3.0÷5.0	5.0÷7.0	> 7.0
Common salt g/l	20	20÷25	25÷40	40÷50	50÷60	60÷80	80÷90	100
Soda Ash g/l	5	5	5	5	5	5	5	5
Caustic flakes g/l	0	0.3÷0.38	0.38÷0.45	0.45÷0.6	0.6÷0.75	0.75÷1.0	1.0	1.0

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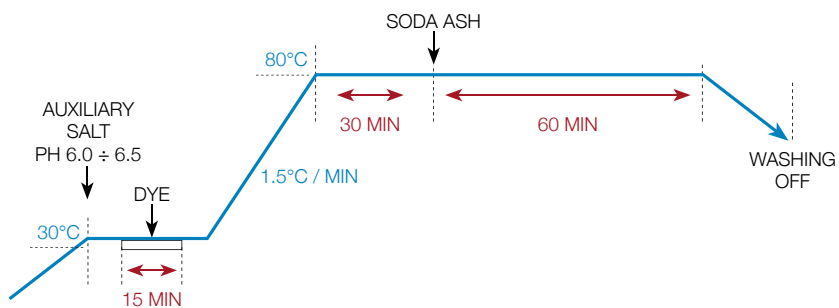
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SOFTACTIVE VS DYES

INSTRUCTION FOR DYEING USING SOFTACTIVE VS DYES

Turquoise dyeing method



• **Single alkali method** (salt and alkali requirements):

% Dye	< 0.1	0.1÷0.5	0.5÷1.0	1.0÷2.0	2.0÷3.0	3.0÷5.0	5.0÷7.0	> 7.0
Common salt g/l	20	20÷25	25÷40	40÷50	50÷60	60÷80	80÷90	100
Soda Ash g/l	3	3	3÷5	5÷8	8÷10	10÷12	15	20

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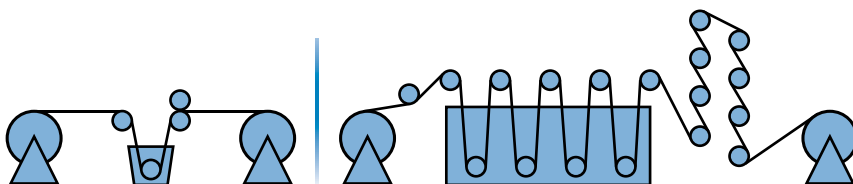
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INSTRUCTION FOR DYEING USING SOFTACTIVE VS DYES

Cold Pad Batch Dyeing



Mixing pump required. Add 10 - 100 g/l Urea to dye liquor (necessary for solubility).

- **Silicate method** (batch 16 hrs at 25 °C):

% Dye	< 5	10÷20	20÷30	30÷40	40÷60	60÷80	80÷100
Sodium Silicate (38° Be)	100 ml/l	100 ml/l	100 ml/l	100 ml/l	100 ml/l	100 ml/l	100 ml/l
Caustic flakes g/l	2	3÷3.5	3.5÷4.0	4.0÷4.5	4.5÷5.0	5.0÷5.5	5.5÷7.0

- **Silicate free method** (batch 24 hrs at 25 °C):

% Dye	20	40	60	80	100	> 100
Soda Ash g/l	30	30	30	30	30	30
Caustic flakes g/l	2	3	4	5	6	7

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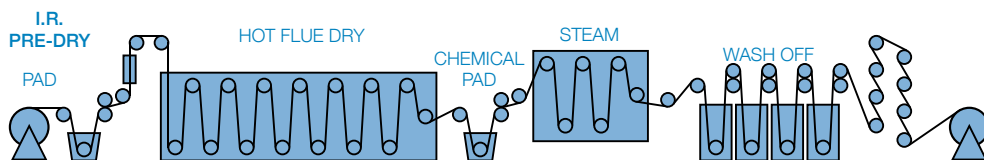
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INSTRUCTION FOR DYEING USING SOFTACTIVE VS DYES

Pad-Dry-Chemical Pad-Steam



- Pad: dye, wetting agent, anti-migrant, mild oxidant
- I.R. Pre-dry, dry: 110 - 130 °C, Chemical Pad

Dye g/l	< 20	10÷40	> 40
Common Salt g/l	250	250	250
Soda Ash g/l	20	20	20
Caustic Flakes g/l	1.5	2	3

Steam: 90 seconds (Saturated Steam)

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