



**DYES**  
for  
TEXTILE

by  **Softer Color**

catalogue

SOFTACTIVE  
S DYES

**SOFTER COLOR SRL**

Via Golfarelli, 88/D  
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info@softercolor.it  
www.softercolor.it



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SOFTACTIVE S DYES

## SOFTACTIVE S DYES by SOFTER COLOR

### Hetero bifunctional dyes for very deep shades

Softer Color is glad to provide you a wide range of hetero bifunctional colors. Our product features good build-up behaviour for deep shades, high wash fastness levels, great reproducibility and strong resistance to oxidative bleach damages.

#### Placement

Medium shades	Deep shades	Support dyes	Jet Blacks
YELLOW SR	YELLOW SR	DEEP RED SVD	BLACK KNN
ORANGE S3V	ORANGE S3V		
RED SOFTACTIVE SB	DEEP RED SVD		
	BLUE SKY SVR		
	BLUE MARINE SG		

#### 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)

#### Responsibility

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)
<b>Yellow Softactive SR</b>													
1%		S	S	S	F	200	200	4÷5	4	6	5÷6	4÷5 R	4
4%													
<b>Orange Softactive S3V</b>													
1%		S	S	S	D	200	200	4÷5	4	4÷5	4	4÷5	4÷5
4%													
<b>Red Softactive SB</b>													
1%		S	S	S	P	200	200	4	3÷4	5	4	4÷5	4÷5
4%													
<b>Deep Red Softactive SBB</b>													
1%		S	S	S	P	200	200	4	3÷4	4	3÷4	4÷5	4
4%													




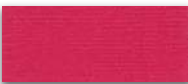

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	Water		Prepiration E04				Rubbing		M&S C10A	Chlorinated water 20 mg/lit	
	E01		Acidic		Alkaline		X12		Change in colour (damage to oxidative bleach)		
	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Dry rubbing	Wet rubbing			
<b>Yellow Softactive SR</b>											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	5	4	4÷5 R	3÷4 G, DL
4%											
<b>Orange Softactive S3V</b>											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	4	4÷5	3÷4 DL
4%											
<b>Red Softactive SB</b>											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	3÷4	4÷5	4
4%											
<b>Deep Red Softactive SBB</b>											
1%											
		4÷5	4	4÷5	4÷5	4÷5	4÷5	4÷5	4	4÷5	4
4%											



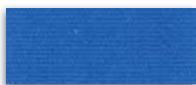
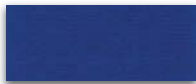




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		Exhaust dyeing	Semicontinuous dyeing	Continuous dyeing	Dischargeability	Water - 30 °C	Salt (90 g/l) - 50 °C	AATCC 16E 1/1	AATCC 16E 1/3	ISO B02 1/1	ISO B02 1/3	C03	
												Change in colour	Stain (cotton)
<b>Deep Red Softactive SVD</b>													
1%		S	NS	NS	D	200	200	4÷5	4	4	3÷4	4÷5	4
4%													
<b>Blue Sky Softactive SVR</b>													
1%		S	NS	NS	P	150	< 20	4÷5	4÷5	4	4	4÷5	4
4%													
<b>Blue Marine Softactive SG</b>													
1%		S	S	S	D	200	200	4	/	4	/	4÷5	4÷5
4%													
<b>Black Softactive KNN</b>													
3%		S	NS	NS	P	40	< 20	3÷4	3	4÷5	4	4÷5 BL	4
6%													



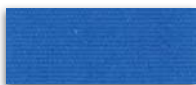
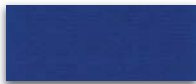




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		Water		Prepiration E04				Rubbing		M&S C10A	Chlorinated water 20 mg/lit
		E01		Acidic		Alkaline		X12			
Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Change in colour	Stain (cotton)	Dry rubbing	Wet rubbing	Change in colour (damage to oxidative bleach)	
<b>Deep Red Softactive SVD</b>											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	4÷5	4	4÷5 BL	4 BL, DL
4%											
<b>Blue Sky Softactive SVR</b>											
1%											
		4÷5	3÷4	4÷5	3÷4	4÷5	3÷4	4÷5	4	4÷5	3 DL
4%											
<b>Blue Marine Softactive SG</b>											
1%											
		4÷5	4÷5	4÷5	4÷5	4÷5	5	4÷5	3	4	3 R, DL
4%											
<b>Black Softactive KNN</b>											
3%											
		4÷5	4	4÷5	4	4÷5	4	4÷5	3÷4	4 BL	4
6%											

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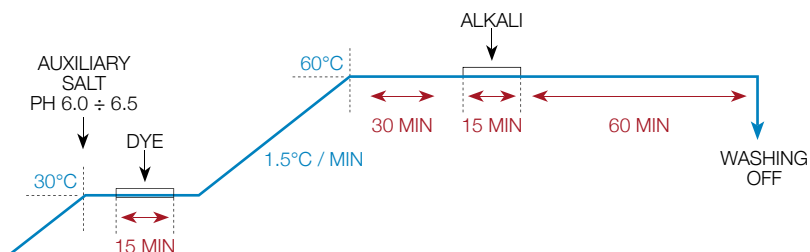
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## INSTRUCTION FOR DYEING USING SOFTACTIVE S DYES

### Exhaust dyeing



#### • Single alkali method

Salt and alkali requirements

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

#### • Mixed alkali method

Salt and alkali requirements

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

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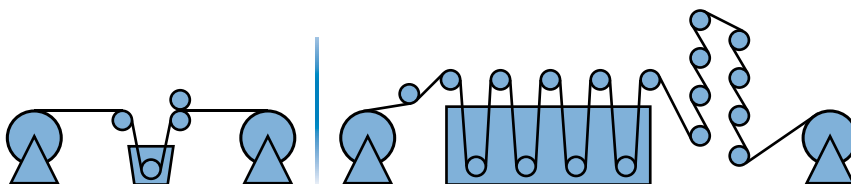
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## INSTRUCTION FOR DYEING USING SOFTACTIVE S DYES

### Cold Pad Batch Dyeing



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

#### • Silicate method

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

Batch 16 hrs at 25 °C

#### • Silicate free method

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

Batch 24 hrs at 25 °C

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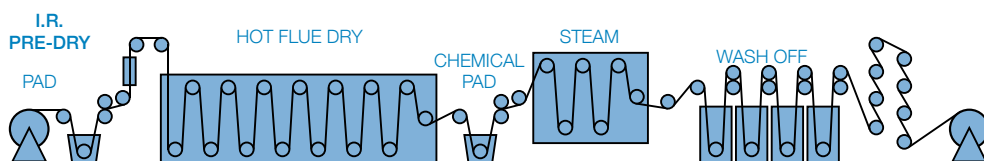
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## INSTRUCTION FOR DYEING USING SOFTACTIVE S DYES

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

Steam: 90 seconds (Saturated Steam)

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