



by  **Softer Color**

catalogue

SOFTASPERSE  
disperse dyes

**SOFTER COLOR SRL**

Via Golfarelli, 88/D  
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# DYES for TEXTILE

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SOFTASPERSE DYES

## SOFTASPERSE DYES by SOFTER COLOR

Softer Color is glad to provide you an exclusive range of Azo, Anthraquinone and Quinoline based disperse dyes, suitable for colouration of polyester. This catalogue illustrates characteristics and properties of Softasperse dyes on polyester knit fabric. All Softasperse dyes meet the requirements of German Eco laws.

### SOFTASPERSE DYES CLASSIFICATION

- **SOFTASPERSE LUMINOUS - Brilliant dyes**
  - Highly luminous disperse dyes suitable for colouration of high visibility clothing.
- **SOFTASPERSE S - High energy disperse dyes**
  - High sublimation fast dyes;
  - Suitable for print, pad, high temperature and high pressure steam fixation;
  - recommended for thermosol dyeing of polyester blends.
- **SOFTASPERSE SE DYES - Medium energy disperse dyes**
  - Medium sublimation fast, good levelling dyes;
  - Suitable for general applications on polyester / blends.
- **SOFTASPERSE E DYES - Low energy disperse dyes**
  - Excellent levelling properties;
  - Low sublimation fast dyes;
  - Suitable for piece dyeing of polyester / blend.

Softasperse dyes are supplied in the form of low dusting free flowing powder.

Before dye is added to the dye-bath or to the pad liquor, it is dispersed in 10-20 times its volume in warm (30 °C - 60° °C) soft water and stirred well.

High speed mechanical stirring (< 1000 rpm) ensures good dispersion especially when handling large volume of dye. The dye dispersion should be filtered through fine cloth / fine mesh sieve prior to its addition to the dye-bath.

### LEGENDA:

1 = poor; 2 = fair; 3 = good; 4 = very good; 7 = excellent.

D = dischargeable; ND = 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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 by  <b>SOFTASPERSE LUMINOUS DYES</b>	CONCENTRATION %	LIGHT FASTNESS AS PER AATCC 16E	DRY HEAT FOR 30 SEC. STAINING ON POLYESTER (180 °C)	WASH (ISO 105 C03)				PRESPARATION ALKALINE (ISO 105 E04)				RUBBING (ISO 105 X12)		pH RANGE OF DYEING	DISCHARGEABILITY (zinc sulphoxylate formaldehyde)
				PES	PA	CO	WO	PES	PA	CO	WO	DRY	WET		


### Yellow Softasperse Luminous 8GFF

	1.3	3	3/4	4	2/3	4	3	4/5	2/3	4/5	3/4	4/5	3/4	4/6	-
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### Orange Softasperse Luminous FCR

	1.5	3	3/4	4/5	3/4	4/5	3	4/5	3/4	4/5	3	4	4	4/6	-
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### Red Softasperse Luminous G

	1.5	3	3/4	4/5	3/4	4/5	3	4/5	3/4	4/5	3	4	4	4/6	-
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			PES	PA	CO	WO	PES	PA	CO	WO	DRY	WET		

### Yellow Softasperse 6GLS

	1.6	4.5	4/5	4/5	3/4	4/5	4/5	4/5	4/5	3/4	4/5	3/4	4/5	4/5	3/6	-
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### Brown Yellow S2RFL

	1.1	4.5	4/5	5	3/4	5	3/4	4/5	3/4	4/5	3/4	4/5	4/5	3/6	D
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### Scarlet Softasperse GLS

	1.14	4	4	4	3/4	4	3/4	4	3/4	4	3/4	4	4	3/7	D
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### Red Softasperse 3BLS

	0.75	4.5	4/5	5	3/4	4/5	3	5	3/4	5	3/4	4	4	4/6	D
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### Violet Softasperse S3R

	0.95	3.5	4/5	4/5	4	4/5	4	4/5	4	4/5	4	4	4	3/8	D
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### Navy Blue Softasperse GLS

	1.2	3	4/5	4/5	3/4	4	4	4/5	3/4	4	4	4	4	4	D
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				PES	PA	CO	WO	PES	PA	CO	WO	DRY	WET		

### Yellow Softasperse 4G

	0.72	4.5	3/4	4	3/4	4	3	4	3/4	4	3/4	4	4	4	4/6	D
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### Scarlet Softasperse P3G

	1	4	4/5	4/5	3/4	4/5	3/4	4/5	3/4	4/5	3/4	4	4	4/6	D
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### Rubine Softasperse GFL

	0.5	4.5	3/4	4/5	4	4/5	4/5	4/5	4	4/5	4	4/5	4/5	4/6	D
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### Turquoise Softasperse BGE

	2.7	4.5	4/5	4/5	3/4	4/5	4	4/5	3/4	4/5	3/4	4	4	3/8	ND
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### Navy Blue Softasperse ECO

	1.35	4.5	3	4/5	3/4	3/4	3/4	4/5	3/4	4/5	3/4	4/5	4/5	4	ND
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### Black Softasperse ECO

	3	4.5	3	4/5	3/4	4/5	3/4	5	3/4	5	3/4	4/5	3/4	4/6	ND
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	CONCENTRATION %	LIGHT FASTNESS AS PER AATCC 16E	DRY HEAT FOR 30 SEC. STAINING ON POLYESTER (180 °C)	WASH (ISO 105 C03)				PRESPARATION ALKALINE (ISO 105 E04)				RUBBING (ISO 105 X12)		pH RANGE OF DYEING	DISCHARGEABILITY (zinc sulphoxylate formaldehyde)
				PES	PA	CO	WO	PES	PA	CO	WO	DRY	WET		

### Yellow Softasperse 3GE

	1.53	4.5	3	4	3/4	4	3/4	5	3/4	4/5	3/4	4	4	3/9	ND
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### Yellow Softasperse 3G

	1.53	4.5	3/4	4/5	3/4	4/5	3/4	4/5	3/4	4	3	3/4	3/4	3/9	ND
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### Orange Softasperse RL

	0.9	4	2/3	4/5	3/4	4/5	3/4	5	3/4	5	3/4	3/4	3/4	3/9	D
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### Red Softasperse 5G

	0.76	4.5	3	4/5	3/4	4/5	3/4	4/5	3/4	4/5	3/4	3/4	3/4	3/9	D
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### Red Softasperse FB

	2.1	4.5	2/3	4/5	3/4	4	4	5	3/4	5	3/4	4	4	3/9	ND
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### Blue Softasperse FBL

	2.6	4	3	4/5	3/4	3/4	3/4	4/5	3/4	4/5	3/4	4	4	3/9	ND
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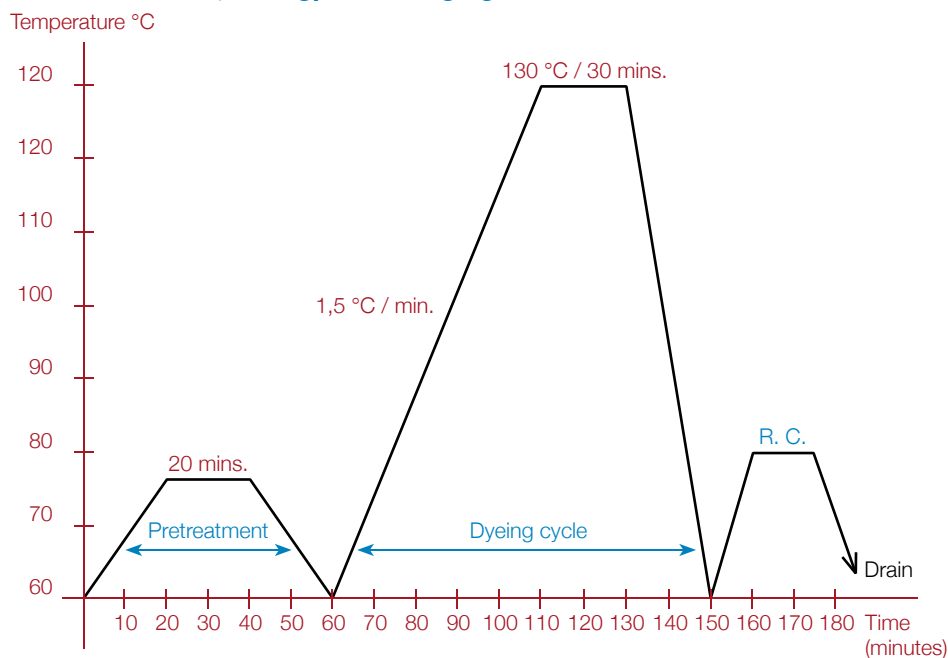
SOFTASPERSE DYES

## INSTRUCTION FOR DYEING POLYESTER USING SOFTASPERSE DYES

Reccomended dye bath recipe		Dyeing Parameters	
1.0 % gpl	Acid buffer	MLR	1:10
0.3 % gpl	Levelling agent	pH	4-5
1.0 - 0.5 % gpl	Sequesting agent	Temperature	130 °C
1.0 - 1.5 % gpl	Dispersing	Hold time	30-45 mins.

Dyed goods should be thoroughly rinsed in hot and then reduction cleared in a bath containing:

- **2 % gpl of Caustic soda;**
- **2 % gpl of Sodium Hydrosulphite;**
- **0,25 % gpl Levelling agent.**



### Auxiliaries:

Levocol PB / 4398 - Acid buffer;

Levocol CDFT - Levelling agent;

Levocol CPES - Levelling agent;

Levocol SQ - Sequestering agent;

Levocol CWS Pdr. - Dispersing agent.

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