



**DYES**  
for  
TEXTILE

by  **Softer Color**

catalogue

SOFTACID  
(METAL COMPLEX)

**SOFTER COLOR SRL**

Via Golfarelli, 88/D  
47122 Forlì - Italia  
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www.softercolor.it

# DYES for TEXTILE

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METAL COMPLEX DYES

## METAL COMPLEX DYES 1:2 by SOFTER COLOR

Softer Color is glad to provide you a wide range of acid dyes for polyamide, featuring metal complex properties:

- **SOFTACID K**

Non-sulphonated metal complex dyes with high build-up capacity, moderate wet fastness properties and excellent light fastness.

- **SOFTACID S**

Monosulphonated metal complex dyes with good build-up capacity, good wet fastness properties and excellent light fastness.

- **SOFTACID M**

Disulphonated metal complex dyes with the best of wet fastness properties. This range is especially suitable for deep shades. Excellent wet fastness properties. Economic range of dyes.

### LEGENDA:

- 1 = very weak;    2 = poor;  
3 = mediocre;    4 = quite good;  
5 = good;        6 = very good;  
7 = excellent;    8 = extraordinary.

### 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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**METAL COMPLEX  
SOFTACID K DYES**

CONCENTRATION %	SOLUBILITY IN g/l 90 °C	EN ISO 105 B02			EN ISO 105 C03			EN ISO 105 E01		EN ISO 105 E04			EN ISO 105 E03
		LIGHT FASTNESS (XENO)			WASHING 60°C			WATER		ALKALINE			CHLORINATED WATER 100 mg/l
		1/12	1/3	1/1	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR	STAIN	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR

### Yellow K-NW



1	40	6	6/7	7	5	5	5	5	5	5	5	5	5	2/3
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### Bordeaux K-RL



0,5	30	6/7	7	7/8	5	4/5	5	5	5	5	5	5	5	4
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### Grey K-BL



0,8	25	6	6/7	6/7	5	5	5	5	5	5	5	5	5	3
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**METAL COMPLEX  
SOFTACID S DYES**

CONCENTRATION %	SOLUBILITY IN g/l 90 °C	EN ISO 105 B02			EN ISO 105 C03			EN ISO 105 E01		EN ISO 105 E04			EN ISO 105 E03
		LIGHT FASTNESS (XENO)			WASHING 60°C			WATER		ALKALINE			CHLORINATED WATER 100 mg/l
		1/12	1/3	1/1	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR	STAIN	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR

### Yellow S-2G

	1	60	6/7	7	7	5	5	5	5	5	5	5	5	5	2
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### Orange S-R

	0,75	60	6	6/7	7	5	5	5	5	5	5	5	5	5	2
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### Red S-BB

	0,5	60	4/5	5/6	6	5	5	5	4/5	4/5	5	5	5	5	3
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### Red S-GN

	0,75	30	6	6/7	7	5	5	5	5	5	5	5	5	5	2
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### Bordeaux S-B

	0,5	50	5	5/6	6	5	5	5	5	4/5	5	5	5	5	2
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### Red S-RL

	0,75	80	5/6	6	6/7	5	5	5	5	5	5	5	5	5	3
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		LIGHT FASTNESS (XENO)			WASHING 60°C			WATER		ALKALINE			CHLORINATED WATER 100 mg/l
		1/12	1/3	1/1	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR	STAIN	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR

### Navy blue S-B

	2	35	4/5	5/6	6	5	5	5	5	4/5	5	5	5	3
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### Navy blue S-G

	2	100	6	6/7	7	5	5	5	5	4/5	5	5	5	-
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### Olive S-G

	1,5	25	4	5	6	5	5	5	4/5	3/4	5	5	5	2
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### Brown S-GR

	0,75	40	6/7	7	7/8	5	5	5	5	5	5	5	5	1
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### Black S-2B

	4	60	6	6/7	7	5	4/5	5	5	4	5	5	5	4
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**METAL COMPLEX  
SOFTACID M DYES**

CONCENTRATION %	SOLUBILITY IN g/l 90 °C	EN ISO 105 B02			EN ISO 105 C03			EN ISO 105 E01		EN ISO 105 E04			EN ISO 105 E03
		LIGHT FASTNESS (XENO)			WASHING 60°C			WATER		ALKALINE			CHLORINATED WATER 100 mg/l
		1/12	1/3	1/1	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR	STAIN	CHANGE IN COLOUR	STAIN (POLYAMIDE)	STAIN (COTTON)	CHANGE IN COLOUR


### Yellow M-3R

	0,8	30	6	6	6/7	5	5	5	5	4/5	5	5	5	4/5
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### Scarlet M-L

	0,8	100	5	6	6/7	5	5	5	5	4	5	5	5	2
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### Bordeaux M-B

	1,3	40	5	6	6	5	5	5	5	4/5	5	5	5	1
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### Navy blue M-BR

	1,7	150	5/6	6	6/7	5	5	5	5	4	5	5	5	2
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### Brown M-BL

	1,3	50	6	6/7	6/7	5	5	5	5	4/5	5	5	5	1/2
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### Black M-RL

	4	70	6	6/7	7	5	5	5	5	4	5	5	5	3/4
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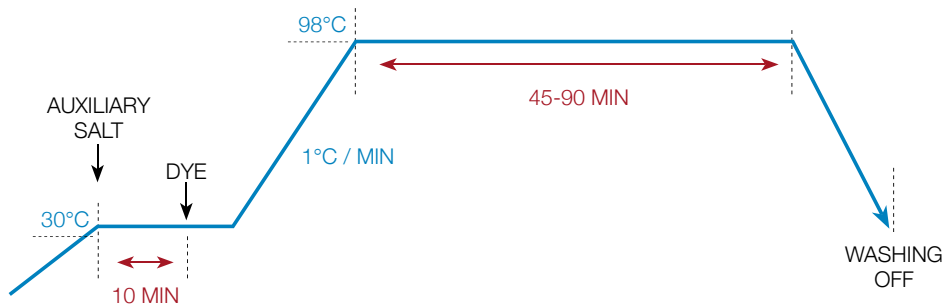


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## INSTRUCTIONS FOR DYEING USING METAL COMPLEX DYES



- Set the bath at 30°C and turn for 10 minutes
- Add Softacid dyes pre-dissolved
- Raise dyebath temperature at 1°C per minute to 98°C
- Remain in temperature for 45-90 minutes
- Reduce the temperature
- Cool off

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