Jagson

KOLORKAPITAL

DYCRO®

DYCROMINE

DYCROMINE

Dycromine Direct Dyes 2.0%	 (Yellow 44L) Fast Yellow 5GLL	 (Yellow 142) Supra Yellow PG	 (Yellow 86) Supra Yellow RL	 (Orange 39) Supra Orange 2GL	 (Orange 26) Fast Orange S	 (Red 23) Fast Scarlet 4BS	 (Red 80) Supra Red 3BL
Solubility g/1 at 80°C	50	50	80	100	50	40	80
SDC Classification	A	B	B	B	C	C	B
Temp. of Max. Affinity °C	40-60	40-60	90	60-80	40-100	80-100	100
Light 1/1 Water ISO-105-CO2	5	5-6	5	6-7	2-3	3	5
Effect / Stain ISO-105-CO2	2	4-5/4-5	4-5/5	4-5/5	3/2-3	3-4/3-4	3-4/2
Effect / Stain AATCC 61-2A	3	4/5	4-5/5	4-5/5	3/2	3/2	3/3
Effect/Stain Acid	2-3/2	5/5	5/5	5/5	4-5/3	3/3-4	4/4-5
Effect / Stain Alkaline	4-5/5	4-5/5	4-5/5	4-5/5	4/2-3	3/3-4	3/2
Effect / Stain Dichargeability	4-5/5	4-5/5	4-5/5	4-5/5	4/2-3	3/3-4	3/2
Natural / Alkaline Chlorinated Water	4-5	4-5	4-5	4-5	4	4	4
(20 ppm) ISO 105 E03 Rubbing ISO-105-X12	5/3-4	5/3-4	3-4/5	5/3	5/3-4	5/3-4	5/3-4
Staining Dry / Wet	1-2	1	4	4-5	1-2	1	4-5
Hydrochloride Bleaching	5/5	3	3-4/1-2	3/1-2	3/3	4/4	3/3-4

Dycromine Direct Dyes 2.0%	 (Red 81) Fast Red 5BL	 (Red 31) Red 12B	 (Red 83) Supra Rubine BL	 (Red 89) Supra Red FR	 (Red 227) Fast Rose FR	 (Red 239) Scarlet 6BS	 (Red 254) Pink RL
Solubility g/1 at 80°C	70	60	60	100	100	20	40
SDC Classification	A	A	B	B	B	B	B
Temp. of Max. Affinity °C	100	100	100	90	100	90	90
Light 1/1 Water ISO-105-CO2	5	3	6	6	3-4	3	4
Effect / Stain ISO-105-CO2	3/3	2/2-3	4-5/5	4-5/5	4-5/5	3-4/4	3-4/4
Effect / Stain AATCC 61-2A	2-3/2-3	3/3	4-5/5	4-5/5	4-5/5	3-4/4	3-4/4
Effect/Stain Acid	1-2/2-3	2-3/1	5/5	5/5	4-5/5	4/3	4/5
Effect / Stain Alkaline	3/1-2	4/2-3	4-5/5	4-5/5	4R/5	3/2	2/2
Effect / Stain Dichargeability	3/1-2	4/2-3	4-5/5	4-5/5	4R/5	3/2	3/3
Natural / Alkaline Chlorinated Water	4-5	3-4	2Y	3-4	1Y	4-5	4-5
(20 ppm) ISO 105 E03 Rubbing ISO-105-X12	5/3-4	5/3-4	5/3	5/4	5/3-4	5/3-4	5/5
Staining Dry / Wet	1	1	4-5	4-5	3-4	2	3
Hydrochloride Bleaching	5/5	3/3	2/2	3/3	2/2	4-5/4	4-5/4

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Dycromine Direct Dyes 2.0%	 (Red 79) Supra Red 6B	 (Red 111) Fast Red 2BS	 (Red 224) Red F2G	 (Red 243) Red BWS	 (Violet 35) Violet BL	 (Violet 51) Brill. Helio B	 (Violet 9) Violet MB
Solubility g/1 at 80°C	30	60	80	80	60	60	40
SDC Classification	B	B	B	B	A	A	A
Temp. of Max. Affinity °C	90	90	90	90	40-90	40-90	40-90
Light 1/1 Water ISO-105-CO2	6	4-5	3-4	5	5	4	2-3
Effect / Stain ISO-105-CO2	4/3-4	5/4-5	4-5/5	4-5/5	2-3/3	2-3/3	2-3/3
Effect / Stain AATCC 61-2A	4/3-4	4/3-4	4-5/5	4-5/5	2-3/3	2/2	2/3
Effect/Stain Acid	4/4	4/4	4-5/5	4/5	2/2	2/2	2/3
Effect / Stain Alkaline	3/2	3/2-3	4	4/5	2-3/3	4/2-3	3-4/2
Effect / Stain Dichargeability	3/2-3	3/2-3	4	4/5	2-3/2	4/2	3-4/1
Natural / Alkaline Chlorinated Water	4	4	1	4	4	4-5	4
(20 ppm) ISO 105 E03 Rubbing ISO-105-X12	5/4-5	5/4-5	5	3	5/4-5	5/4-5	5/4-5
Staining Dry / Wet	1	2	3-4	3-4	2-3	2-3	2-3
Hydrochloride Bleaching	5	4-5/5	3/3	2/2	4-5/5	4-5/4-5	5/5

Dycromine Direct Dyes 2.0%	 (Violet 66) Fast Violet RR	 (Blue 15) Sky Blue	 (Blue 71) Fast Blue GLL	 (Blue 86) Turq. Blue GL	 (Blue 199) Supra Tq. Blue FBL	 (Blue 80) Blue 2RL	 (Blue 151) Blue FR
Solubility g/1 at 80°C	60	50	50	60	60	50	50
SDC Classification	B	B	B	B	B	B	B
Temp. of Max. Affinity °C	90	90	80-100	90	90	90	90
Light 1/1 Water ISO-105-CO2	4	2	5	6	6	5	5
Effect / Stain ISO-105-CO2	3/3	3/3	4-5/5	4/1	4-5/4	4/5	4/5
Effect / Stain AATCC 61-2A	3/2-3	3/2-3	4-5/5	2-3/2	4-5/4-5	4-5/5	4-5/4-5
Effect/Stain Acid	3/3	3/2	4-5/5	3/2-3	5/5	4-5/5	4-5/5
Effect / Stain Alkaline	3-4/3	3-4/3	4-5/5	4-5/5	4-5/5	4-5/5	4-5/5
Effect / Stain Dichargeability	3-4/2	3-4/2	4-5/5	4-5/5	4/5	4-5/5	4-5/5
Natural / Alkaline Chlorinated Water	4-5	4-5	1-2R	3Y	2Y	2R	2
(20 ppm) ISO 105 E03 Rubbing ISO-105-X12	5/4-5	5/4-5	5/3	5/3	5/3	5/3	5/3-4
Staining Dry / Wet	2-3	3-4	1-2	3-4	3-4	4	4
Hydrochloride Bleaching	5/5	4-5/5	2-3/2-3	3/2	2-3/2	3-4/3	3-4/4

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Dycromine Direct Dyes 2.0%	 (Blue 218) Blue 2G	 (Blue 200) Blue ABL	 (Blue 201) Blue BRL	 (Green 96) Green 2BN	 (Green 114) Green	 (Brown 210) Brown GTL	 (Brown 116) Brown RL
Solubility g/1 at 80°C	50	60	50	40	40	70	60
SDC Classification	B	4	B	C	B	B	B
Temp. of Max. Affinity °C	90	100	90	90	90	60-100	90
Light 1/1 Water ISO-105-CO2	4-5	5	4-5	4	4	5-6	4-5
Effect / Stain ISO-105-CO2	4/4	5	4/5	3-4/3	3-4/3	4-5/5	4/5
Effect / Stain AATCC 61-2A	4-5/4-5	4-5/5	4-5/4-5	3-4/3	3/2	4-5/5	4-5/5
Effect/Stain Acid	4-5/5	4-5/5	4-5/5	4/3-4	4/3	4-5/5	4-5/5
Effect / Stain Alkaline	4-5/5	4-5/5	4-5/5	4/2	3/2	4-5/5	4-5/5
Effect / Stain Dichargeability	4-5/5	5	4-5/5	3-4/2	3/2	4-5R/5	3-4/5
Natural / Alkaline Chlorinated Water	2	1-2	2	4	4	3Y	1-2R
(20 ppm) ISO 105 E03 Rubbing ISO-105-X12	5/3-4	5/3	5/3-4	5/4-5	4/5	5/3-4	4-5/2
Staining Dry / Wet	3-4	1-2	4	1	2-3	2	2-3
Hydrochloride Bleaching	3-4/4	2-3	3-4/4	4-5/4-5	4-5/4	3-4/2	2-3/3

Dycromine Direct Dyes 2.0%	 (Brown 44) Brown 2RGL	 (Black 19) Black G	 (Black 80) Black OB	 (Black 22) Black VSF	 (Grey 112) Grey 4GL
Solubility g/1 at 80°C	70	100	40	30	60
SDC Classification	B	B	B	B	B
Temp. of Max. Affinity °C	80-90	80	90	90	90
Light 1/1 Water ISO-105-CO2	5-6	3-4	2-3	4-5	5
Effect / Stain ISO-105-CO2	4-5/5	4/1-2	4/5	4R/5	4/5
Effect / Stain AATCC 61-2A	4-5/5	4-5/5	4-5/5	4-5/5	4-5/5
Effect/Stain Acid	4-5/5	4-5/3	4-5/5	4-5/5	4-5/5
Effect / Stain Alkaline	4-5/5	4R/2-3	4-5/5	4-5/5	4-5/5
Effect / Stain Dichargeability	4-5/5	4-5/3-4	4-5/5	4-5/5	4-5/5
Natural / Alkaline Chlorinated Water	3	2YR	1-2R	2YR	2YR
(20 ppm) ISO 105 E03 Rubbing ISO-105-X12	5/3-4	4-5/2	4-5/2	4-5/2	4-4/2
Staining Dry / Wet	2	1-2	1	1-2	2-3
Hydrochloride Bleaching	3-4/2	2-3/2-3	3/2	2-3/3	2-3/3

DYCROMINE

DYCROMINE DYES ON COTTON

1. INTRODUCTION

Jagson Colorchem offers a wide range of DYCROMINE direct dyes for coloration cellulosic material. They are used for dyeing cotton, wool, silk viscose rayons, jute blends and union fabrics containing the cellulosic fibre using conventional equipment, for example becks, package dyeing machine winches, jigs and padding machines.

2. PREPARATION OF GOODS

It is necessary to remove all impurities from grey yarn or fabric to ensure level dyeing, good penetration of dyestuffs and maximum brightness of the shade. Size may be removed by boiling the goods in alkaline detergent solution. In case of bleached goods, it is advisable to wet the material with a suitable wetting agent, 0.75 g/l in hot and then it is rinsed in water.

3. DYEING METHODS

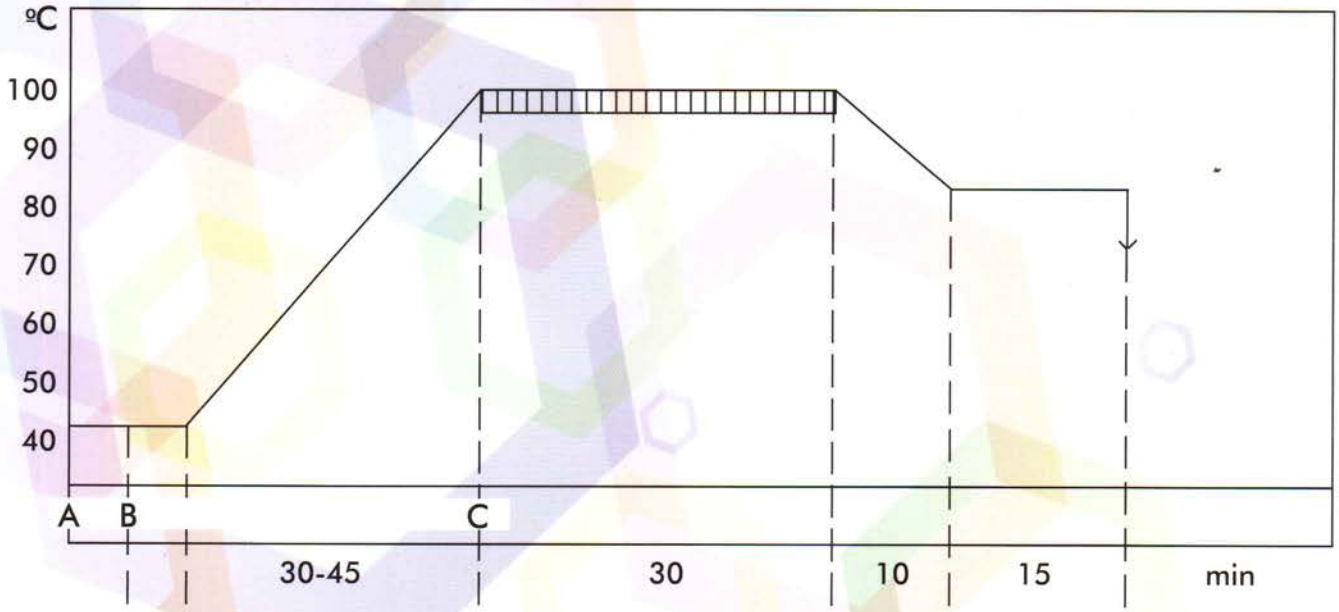
Two dyeing methods are recommended.

Dyeing Method No. 1 :

The dyebath is prepared using X% - Dyestuffs 0.5-2.0% - Soda ash and 5.0-30.0 % - Calcined Glauber's salt or common salt. The dyeing is started at 50°C, the temperature is raised to 90° - 95° C. and the material is boiled for 45-60 minutes. The addition of salt should be made in gradual stages.

Dyeing Method No.2 :

Same as method No. 1, but without addition of Soda ash. This method is generally used which is described as under.



A: X% Dycromine dye
B: 1-8 g/l Anhydrous Glauber's Salt
C: 4-32 g/l Anhydrous Glauber's Salt

- Set the dyebath at 40°C with required amount of water and dye.
- Run for 10 minutes and add anhydrous Glauber's Salt (B)
- Enter the goods and run for 10 minutes.
- Raise the temperature to boil within 30 to 45 minutes.
- Add anhydrous Glauber's Salt (C) and continue the dyeing for 30 minutes.
- Decrease the temperatue to 80°C within 10 minutes and continue the dyeing for 15 minutes.
- Drain the dye bath at 70°C. Give two cold washes and dry .
- If required, treatment of cationic dye fixing agent may be given to improve the fastness properties

Note : High dye yield & the best reproducibility can only be achieved by a process-controlled cooling & holding phase at 80°C.
Shading : Cool to 70°C, add the shading dye, raise the temperature to 90°C in 15 mins. & treat as usual. 4.

ILLUSTRATION The shades shown in the shade card were prepared on unmercerised cotton fabric.

(The information in this shade card is given in good faith but without warranty, freedom from rights must not be assumed.)

Jagson Colorchem Limited

(A Govt. Recognised Export House)

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