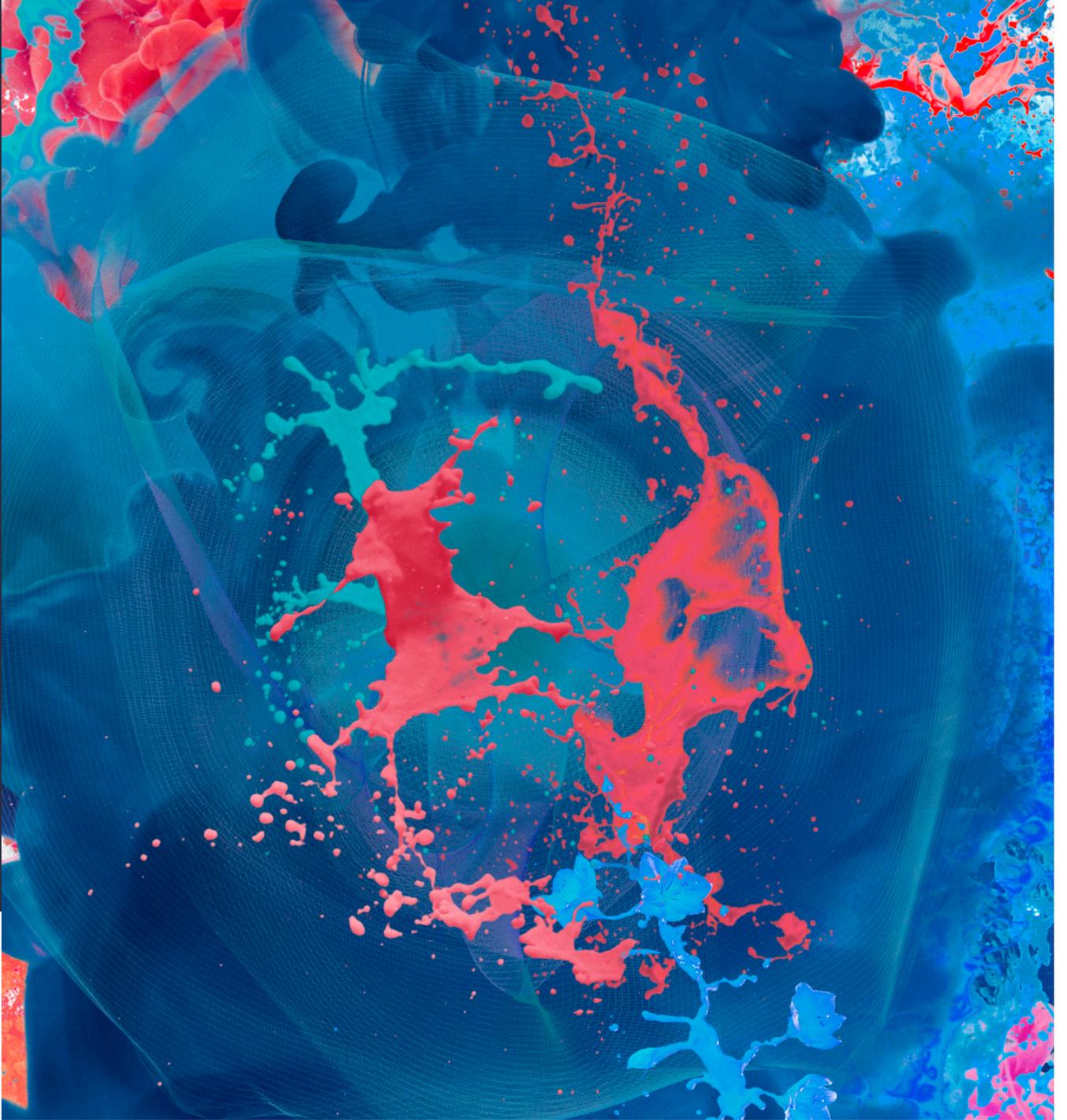




Özbek Kimyevi Ürünler Tekst. İnş. Gıda. San. Tic. Ltd. Şti



Ozdirect

Ozdirect Direct Dyes 2.0%							
	(Yellow 142) Yellow PG	(Yellow 86) Yellow RL	(Orange 39) Orange 2GL	(Orange 26) Orange S	(Red 23) Scarlet 4BS	(Red 80) Red 3BL	(Red32) Rubine BL
Solubility g/1 at 80 °C	50	80	100	50	40	80	60
SDA Classification	B	B	B	C	C	B	B
Temp. of Max. Affinity °C	40-60	90	60-80	40-100	80-100	100	100
Light 1/1 Water ISO-'105-CO2	5-6	5	6-7	2-3	3	5	6
Effect / Stain Iso-105-Co2	4-5/4-5	4-5/5	4-5/5	3-2/3	3-4/3-4	3-4/2	4-5/5
Effect / Stain AATCC 61-2A	4/5	4-5/5	4-5/5	3/2	3/2	3/3	4-5/5
Effect/Stain Acid	5/5	5/5	5/5	4-5/3	3/3-4	4/4-5	5/5
Effect / Stain Alkaline	4-5/5	4-5/5	4-5/5	4/2-3	3/3-4	3/2	4-5/5
Effect / Stain Dischargeability	4-5/5	4-5/5	4-5/5	4/2-3	3/3-4	3/2	4-5/5
Natural/ Alkaline Chlorinated Water	4-5	4-5	4-5	4	4	4	2Y
(20 ppm) ISO 105 E03 Rubbing ISO-105-X'12	5/3-4	3-4/5	5/3	5/3-4	5/3-4	5/3-4	5/3
Staining Dry /Wet	1	4	4-5	1-2	1	4-5	4-5
Hydrochloride Bleaching	3	3-4/1-2	3/1-2	3/3	4/4	3/3-4	2/2

Ozdirect Direct Dyes 2.0%							
	(Red 227) Rose FR	(Red 243) Red BWS	(Violet 51) Brill. Helio B	(Blue 199) Turq. Blue FBL	(Blue 71) Blue B2R	(Blue 71) Blue RR	(Blue 200) Blue 4BL
Solubility g/1 at 80 °C	100	80	60	60	50	50	50
SDA Classification	B	B	A	B	B	B	B
Temp. of Max. Affinity °C	100	90	40-90	90	80-100	80-100	80-100
Light 1/1 Water ISO-'105-CO2	3-4	5	4	6	5	5	5
Effect / Stain Iso-105-Co2	4-5/5	4-5/5	2-3/3	4-5/4	4-5/5	4-5/5	4-5/5
Effect / Stain AATCC 61-2A	4-4/5	4-5/5	2/2	4-5/4-5	4-5/5	4-5/5	4-5/5
Effect/Stain Acid	4-5/5	4/5	2/2	5/5	4-5/5	4-5/5	4-5/5
Effect / Stain Alkaline	4R/5	4/5	4/2-3	4-5/5	4-5/5	4-5/5	4-5/5
Effect / Stain Dischargeability	4R/5	4/5	4/2	4/5	4-5/5	4-5/5	4-5/5
Natural/ Alkaline Chlorinated Water	1Y	4	4-5	2Y	1-2R	1-2R	1-2R
(20 ppm) ISO 105 E03 Rubbing ISO-105-X'12	5/3-4	3	5/4-5	5/3	5/3	5/3	5/3
Staining Dry /Wet	3-4	3-4	2-3	3-4	1-2	1-2	1-2
Hydrochloride Bleaching	2/2	2/2	4-5/4-5	2-3/2	2-3/2-3	2-3/2-3	2-3/2-3

Ozdirect Direct Dyes 2.0%	 (Brown 210) Brown GTL	 (Black 22) Black VSF %600	 (Black 22) Black VSF %1200	 (Black 22) Black VSF %1200 HC	 (Black 22) Black VSF %1600
Solubility g/l at 80 °C	70	30	30	30	30
SDA Classification	B	B	B	B	B
Temp. of Max. Affinity °C	60-100	90	90	90	90
Light 1/1 Water ISO-105-CO2	5-6	4-5	4-5	4-5	4-5
Effect / Stain Iso-105-Co2	4-5/5	4R/5	4R/5	4R/5	4R/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	4-5/5	4-5/5	4-5/5	4-5/5
Effect / Stain Alkaline	4-5/5	4-5/5	4-5/5	4-5/5	4-5/5
Effect / Stain Dischargeability	4-5R/5	4-5/5	4-5/5	4-5/5	4-5/5
Natural/ Alkaline Chlorinated Water	3Y	2YR	2YR	2YR	2YR
(20 ppm) ISO 105 E03 Rubbing ISO-105-X12	5/3-4	4-5/2	4-5/2	4-5/2	4-5/2
Staining Dry /Wet	2	1-2	1-2	1-2	1-2
Hydrochloride Bleaching	3-4/2	2-3/3	2-3/3	2-3/3	2-3/3

OZDIRECT DYES ON COTTON

1. INTRODUCTION

Ozbek Chemicals offers a wide range of OZDIRECT direct dyes for coloration of cellulosic material. They are used for dyeing cotton, wool, silk, viscose rayon, 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 an 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

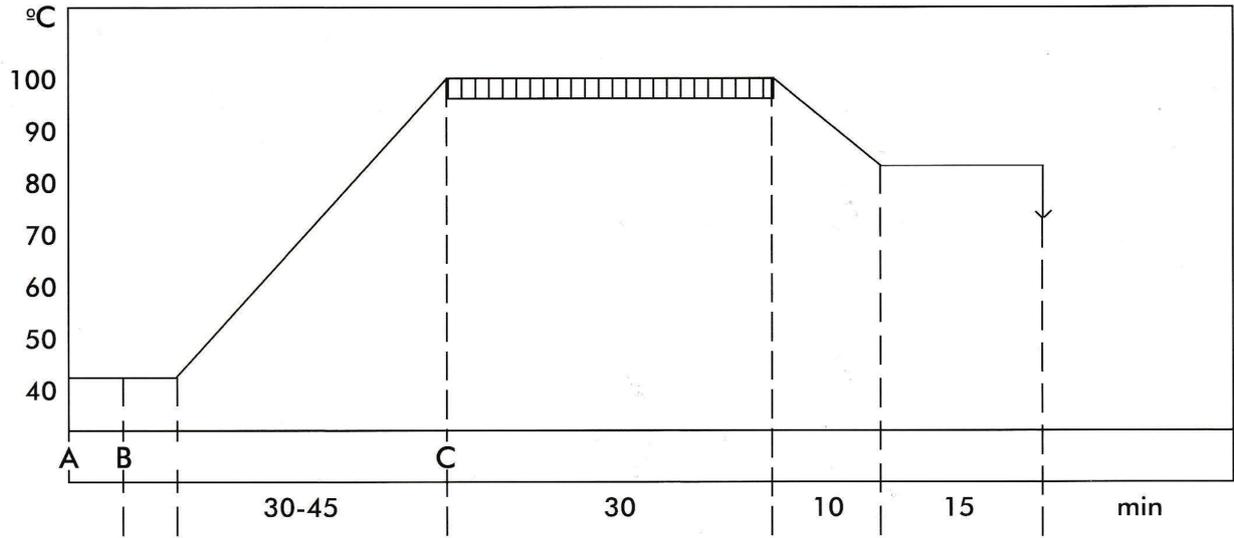
Two dyeing methods are recommended.

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 material can 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% Ozdirect dyes
 B: 1-8 g/l Anhydrous Glouber's Salt
 C: 4-32 g/l Anhydrous Glouber's Salt

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



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