

SPECIAL DYES



**SPECTRON<sup>®</sup>**  
Reactive Dyes

**Colour Catches  
Attention,  
Enhances Aesthetic  
Appeal and Allure.**

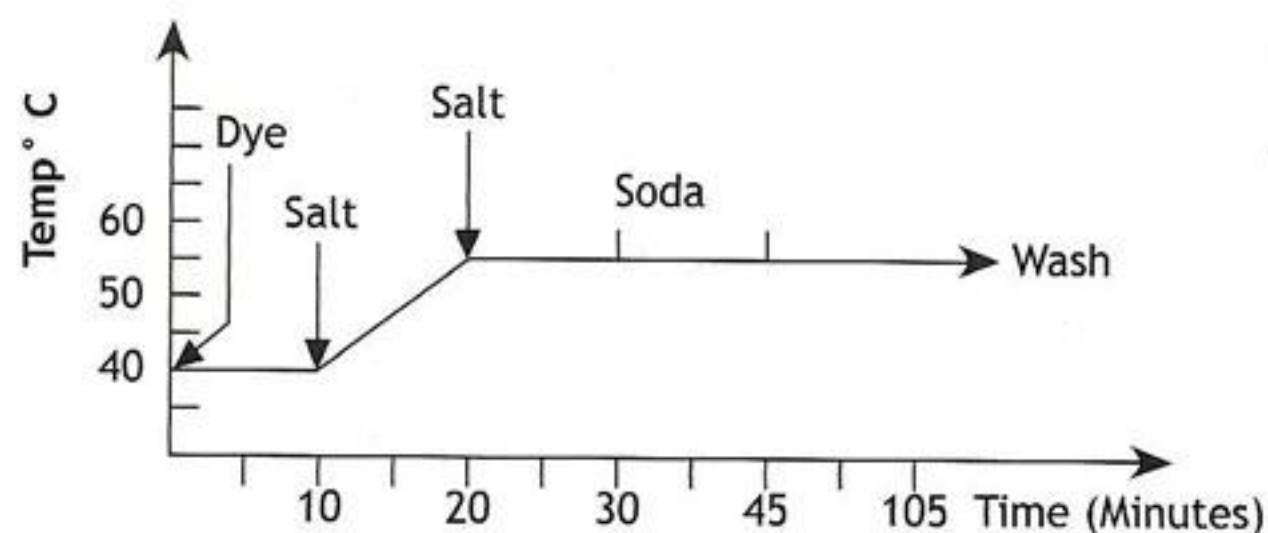
**COLOURS  
INDIA INC**

# SPECTRON DYES BY EXHAUST METHOD

## FEATURES:

- Good Dyeing Performance
- Excellent Wet Fastness Properties
- Excellent Leveling and Reproducibility
- High Exhaustion and High Fixation
- Suitable For Piece and Yarn Dyeing
- Meets Requirement of Major Ecology Standards

## EXHAUST DYEING: STANDARD METHOD



## Holding Time:

Start	Load Machine-Run Liquor and/or fabric/yarn. Set the dye bath at 40°C Add pre dissolved dye.
10	Add half of Predissolved Glauber's salt. Continue dyeing while rising the temperature to 60-65°C.
20	Add remainder of Glauber's salt. Continue dyeing at 60-65°C.
15	Add Soda Ash. Continue dyeing at 60-65°C.
60	Continue dying at 60-65°C. Wash.

## INFORMATION ABOUT DYEING TEMPERATURE:

- 60°C SUITABLE FOR ALL SPECTRON DYES
- 80°C FOR DYEING TURQUOISE and bright green with Spectron Yellow S-8GN

## SALT AND ALKALI REQUIREMENT:








DEPTH OF SHADE %	SALT G/L	ALKALI G/L	
		Soda Ash (gms/lit.)	Soda Ash + Caustic Soda
Up to 0.5	30	10	5.0 + 0.5
0.5 - 1.0	40	15	5.0 + 0.5
1.0 - 2.0	50	15	5.0 + 1.0
2.0 - 4.0	60	20	5.0 + 1.0
Above 4.0	60	20	5.0 + 1.2






















## REMARK:







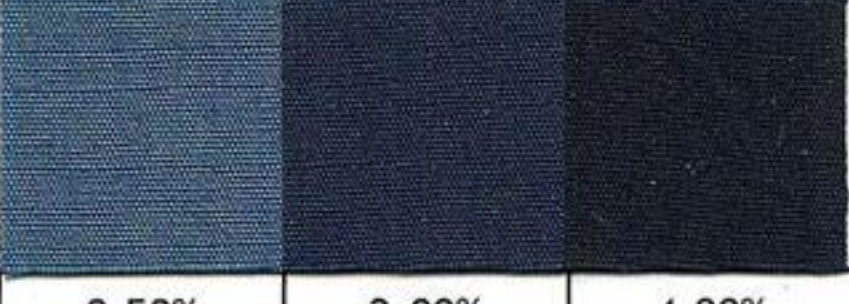
- Automatic dosing system for dye and alkali will benefit the levelness and reproducibility.

## AFTER TREATMENT:

- Overflow rinse cold or warm for 10 minutes
- Neutralize to pH 5 - 6 WITH Acetic acid. Rinse for 10 minutes at 50 - 80°C
- Rinse at 80°C
- Soap for 10 minutes at 95°C in neutral detergent. Repeat for dark shades twice
- Rinse at 80°C for 10 minutes.
- Cold wash & ensure final bath Ph 5 - 6 by adding acetic acid in final rinse

EXHAUST DYEING ON COTTON POPLINE			FASTNESS PROPERTIES					NEUTRAL SOLUBILITY G/L	
			LIGHT FASTNESS		WASHING FASTNESS		PERSPIRATION FASTNESS		
			1/6 SD	1/1 SD	ISO 105 CO 3	ISO 105 CO 4	ALKALINE		ACID
					SHADE/STAIN	SHADE/STAIN	SHADE/STAIN		SHADE/STAIN
			5	6	4-5 / 5	4-5 / 3-4	5 / 4	5 / 4	100
0.50%	2.00%	4.00%							
SPECTRON YELLOW S-8GN									
			5	6	5 / 4-5	5 / 4-5	5 / 4	5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON YELLOW F3GS									
			4-5	5	4-5 / 4	4 / 4	4 / 3	4-5 / 4	50
0.50%	2.00%	4.00%							
SPECTRON ORANGE SRL									
			3-4	4	5 / 5	5 / 5	5 / 4-5	5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON SAFFRON SF3G									
			4	4-5	4-5 / 4-5	4-5 / 4	4 / 4-5	4-5 / 4	100
0.50%	2.00%	4.00%							
SPECTRON SCARLET S-2GF									
			4	4-5	4-5 / 4-5	4 / 4-5	4-5 / 4-5	4-5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON RED S2B									
			4-5	5-6	5 / 4-5	4-5 / 4-5	4 / 4	4-5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON RED F3BS									

EXHAUST DYEING ON COTTON POPLINE			FASTNESS PROPERTIES					NEUTRAL SOLUBILITY G/L	
			LIGHT FASTNESS		WASHING FASTNESS		PERSPIRATION FASTNESS		
			1/6 SD	1/1 SD	ISO 105 CO 3	ISO 105 CO 4	ALKALINE		ACID
					SHADE/STAIN	SHADE/STAIN	SHADE/STAIN		SHADE/STAIN
			4	4-5	4-5 / 4-5	4 / 4	4-5 / 4-5	4-5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON RED FBN									
			4	4-5	4-5 / 4-5	4 / 4	4-5 / 4-5	4-5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON COSMOS RED SC									
			6	7	5 / 5	4-5 / 5	4-5 / 5	5 / 5	100
0.50%	2.00%	4.00%							
SPECTRON BLUE VRN									
			5-6	7	5 / 5	4-5 / 5	4-5 / 5	5 / 5	100
0.50%	2.00%	4.00%							
SPECTRON BLUE SSR									
			4-5	5-6	4-5/5	4-5/5	4 / 4	4-4 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON BLUE FBN									
			5	5-6	4-5 / 5	4-5 / 5	4 / 4	4-5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON BLUE S-MAX									
			2-3	4	4-5 / 5	4 / 4-5	5 / 4	5 / 5	100
0.50%	2.00%	4.00%							
SPECTRON NAVY CLBC									

EXHAUST DYEING ON COTTON POPLINE			FASTNESS PROPERTIES					NEUTRAL SOLUBILITY G/L	
			LIGHT FASTNESS		WASHING FASTNESS		PERSPIRATION FASTNESS		
			1/6 SD	1/1 SD	ISO 105 CO 3	ISO 105 CO 4	ALKALINE		ACID
					SHADE/STAIN	SHADE/STAIN	SHADE/STAIN		SHADE/STAIN
			5	5-6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON TURQ . BLUE F2GN									
			3	4-5	4-5 / 4-5	4-5 / 5	4-5 / 4-5	4-5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON BLACK SSR									
			3	4-5	4-5 / 5	4-5 / 4-5	4-5 / 5	4-5 / 4-5	100
0.50%	2.00%	4.00%							
SPECTRON BLACK SSG									
			3	4-5	4-5 / 5	4-5 / 5	4-5 / 5	4-5 / 4-5	100
2.00%	4.00%	6.00%							
SPECTRON BLACK GBN									
			5	6	5 / 4-5	5 / 4-5	4 / 4	5 / 4	100
0.50%	2.00%	4.00%							
SPECTRON YELLOW S-MATRIX									
			4-5	5	4-5 / 4	4-5 / 4	4 / 4	4-5 / 4	100
0.50%	2.00%	4.00%							
SPECTRON RED S-MATRIX									
			3-4	4-5	4-5 / 5	4 / 4-5	5 / 4	5 / 4	100
0.50%	2.00%	4.00%							
SPECTRON BLUE S-MATRIX									



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Certificate No.: 6768QMS001

An ISO 9001 : 2015 Company

**GOTS**

**Certified Products**

Manufactured by:

**COLOURS  
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