



Huechem Global



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**APPLYING SCIENCE,
COLORING LIVES**

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OEKO-TEX®
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ECO PASSPORT

Ø ZDHC

About us

Huechem Global is an India based dyestuff manufacturer serving the Textile, Paper, Leather and Ink markets globally. Operating under the parent company Gopinath Chem Tech Ltd. since 2008, we deliver high value products to over 15 countries with a strong focus on developing products through state-of-the-art R&D. The main strength of Huechem Global is that we are backward integrated and have an established name in the market for manufacturing of Dyestuff Intermediates. We work with over 200 employees and 2 production sites in India with a total installed production capacity of 6000 MT/Y. With over 30 years of industry experience, we have committed consistency in quality by adhering to EcoPassport and ZDHC standards.



Our Reach

Pakistan	Brazil
South Korea	Bangladesh
Thailand	China
Russia	Germany
Taiwan	Switzerland
Spain	Indonesia
Argentina	Italy
Honduras	Japan
Vietnam	USA
Turkey	Mexico

REACTIVE DYES

Printing Series				General Properties		
Product Name	C.I. No.	Shades	Solubility (gpl.)	Substantivity	Dischargeability	Day Light 1/1
Golden Yellow HC-P3R	Yellow 12		75	H	F	5-6
Yellow HC-P6G	Yellow 95		100	M	F	4-5
Yellow HC-P4G	Yellow 18		100	L	G	5-7
Orange HC-P2R	Orange 13		60	H	F	3-6
Orange HC-P4R	Orange 35		100	H	F	5-6
Red HC-P8B	Red 31		90	H	P	4
Red HC-P2B	Red 45		90	H	F	3-4
Red HC-P4B	Red 245		90	H	P	4-5
Red HC-PB	Red 24		80	H	P	4-5
Red HC-P4BN	Red 3:1		90	H	P	4-5
Red HC-P6B	Red 218		80	H	P	4-5
Blue HC-P3R	Blue 49		75	H	P	4-5
Blue HC-P5R	Blue 13		60	L	P	5-6
Turquoise Blue HC-PGR	Blue 72		60	H	P	3-4
Navy Blue HC-P2R	Black 39		70	H	P	4
Black HC-HN	Black 8		80	L	P	4-5
Black HC-PGR	NA		75	M	P	4
Purple HC-P3R	Violet 1		75	M	P	5-7

REACTIVE DYES

Fastness Properties				Suitability					Rubbing Fastness
Washing ISO 105 - C04	Perspiration		Hypochlorite Bleach	Exhaust 40 C & 60 C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printinging		
	Alkaline	Acidic					Steam	Silicate	
5	5	5	3	S	S	S	S	S	4-5
4-5	5	4	3	NS	S	S	S	S	3-5
5	4-5	5	1	S	S	S	S	S	3-5
5	5	4	4	S	S	S	S	S	3-5
5	5	5	5	NS	S	S	S	S	3-4
5	4	4	3-4	S	S	S	S	S	4-5
5	4	4	3-4	S	S	S	S	S	4-5
4-5	4-5	4-5	3-4	NS	S	S	S	S	4-5
4	4-5	4-5	4	S	S	S	S	S	4-5
4	4	4	3-4	NS	S	S	S	S	4-5
4-5	4	4	4	NS	S	S	S	S	3-5
4-5	4	4	3	S	S	S	S	S	4-5
5	4-5	5	1-2	S	S	S	S	S	4-5
4	5	4-5	3	NS	S	S	S	S	3-5
4	3-4	4	3	S	S	S	S	S	4-5
4-5	4-5	4-5	3-4	S	S	S	S	S	3-5
3-4	3	4	4	S	S	S	S	S	3-5
5	3	3	4	S	S	S	S	S	3-4

REACTIVE DYES

Printing Series				General Properties		
Product Name	C.I. No.	Shades	Solubility (gpl.)	Substantivity	Dischargeability	Day Light 1/1
Magenta HC-HB	Violet 12		100	M	P	3-4
Green HC-P4BD	Green 19		70	M	F	3-4
Brown HC-P2R	Brown 11		100	L	F	3-4
Brown HC-P4R	Brown 9		80	L	F	4-5

REACTIVE DYES

Fastness Properties				Suitability					Rubbing Fastness
Washing ISO 105 - C04	Perspiration		Hypochlorite Bleach	Exhaust 40 C & 60 C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printinging		
	Alkaline	Acidic					Steam	Silicate	
4	4	3	4	S	S	S	S	S	3-4
4	4	3	4	S	S	S	S	S	3-4
4	3	3-4	4	S	S	S	S	S	3-4
4	4	4	4	S	S	S	S	S	3-4



Black Series					General Properties		
Product Name	C.I. No.	Shades		Solubility (gpl.)	Substantivity	Dischargeability	Day Light 1/1
		4%	8%				
Black HC-WNN	MIX			100	H	G	4-5
Black HC-GDNN	MIX			100	H	G	4-5
Super Black HC-R	MIX			100	H	G	4-5
Super Black HC-G	MIX			100	H	G	4-5
Black HC-VSR	MIX			100	H	G	4-5
Black HC-DNN	MIX			100	H	G	4-5

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REACTIVE DYES

Vinyl Sulfone Series				General Properties			
Product Name	C.I. No.	Shades		Solubility (gpl.)	Substantivity	Dischargeability	Day Light 1/1
		0.5%	2%				
Yellow HC-FG	Yellow 42			40	L	G	5-6
Golden Yellow HC-RNL	Orange 107			100	M	G	4-5
Orange 3R	Orange 16			60	H	G	5-6
Yellow HC-GL	Yellow 37			100	H	G	6
Red HC -RB	Red 198			100	M	F	5
Red HC-5B	Red 35			75	L	G	3-4
Red HC-BS	Red 111			100	H	P	3-4
Red HC-BB	Red 21			70	H	G	3-4
Violet HC-5R	Violet 5			60	M	F	3-4
Turq Blue HC - G	Blue 21			60	H	P	6-7
Blue HC-R	Blue 19			70	L	F	4-5
Blue HC-BB	Blue 220			100	M	G	5-6
Brill Green HC-6B	Blue 38			100	H	P	5-6
Navy Blue HC-RGB	Blue 250			100	H	G	5-6
Navy Blue HC-GG	Blue 203			100	H	G	5-6
Black HC-RL	Black 31			75	H	F	6-7
Black HC-B	Black 5			100	H	G	4-5
Brown HC-GR	Brown 18			100	M	F	5-6

REACTIVE DYES

Fastness Properties				Suitability					Rubbing Fastness
Washing ISO 105 - C04	Perspiration		Hypochlorite Bleach	Exhaust 40 C & 60 C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printinging		
	Alkaline	Acidic					Steam	Silicate	
4	5	5	1	S	S	S	S	S	3-5
4-5	5	5	1	S	S	S	S	S	3-4
4-5	4-5	4-5	1	S	NS	S	S	S	4-5
4-5	5	5	2-3	S	S	S	S	S	3-5
4-5	4	4-5	4	S	S	S	S	S	3-4
5	5	5	1	S	S	S	S	S	3-5
4-5	5	5	1	S	S	S	S	S	3-4
4	5	5	1	S	S	S	S	S	3-5
4	5	5	2	S	S	S	S	S	3-4
4-5	4-5	4-5	3	S	S	S	S	S	3-4
5	5	4-5	4	S	S	S	S	S	5-6
5	4	4-5	2-3	S	S	S	S	S	4-5
4	4-5	4-5	3-4	S	S	S	S	S	3-4
4-5	5	5	1	S	S	S	S	S	4-5
4-5	5	5	1	S	S	S	S	S	4-5
5	5	5	1	S	S	S	S	S	3-5
5	5	5	1	S	S	S	S	S	3-5
5	5	5	1	S	S	S	S	S	3-5

REACTIVE DYES

BI Functional Mild Exhaust Series				General Properties			
Product Name	C.I. No.	Shades		Solubility (gpl.)	Substantivity	Dischargeability	Day Light 1/1
		0.5%	2%				
Yellow HC-ME4GL	Yellow 160			100	M	F	4
Golden Yellow HC-MERL	Yellow 145			100	M	P	5
Golden Yellow HC-3RS	Yellow 176			100	H	P	4
Orange HC-ME2RL	Orange 122			60	H	P	5
Red HC-ME4BL	Red 195			100	H	P	5
Red HC-ME6BL	Red 250 Red 196			80	H	P	5
Red HC-ME3BL	Red 194			75	H	F	5-6
Red HC-GFH	NA			80	H	P	5
Red HC-MEBF	Red 222			60	H	G	5
Blue HC-ME2RL	Blue 248			60	H	P	4
Blue HC-BRF	Blue 221			75	H	G	4-5
Blue HC-BF	Blue 222			60	H	G	3-4
Blue HC-GFR	Blue 224			80	H	G	4-5
Blue HC-GRN	NA			75	H	G	4-5
Navy Blue HC-ME2GL	Blue 194			80	H	G	5

REACTIVE DYES

Fastness Properties				Suitability					Rubbing Fastness
Washing ISO 105 - C04	Perspiration		Hypochlorite Bleach	Exhaust 40 C & 60 C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printinging		
	Alkaline	Acidic					Steam	Silicate	
4	4-5	4-5	1	4	S	NS	S	S	3-5
5	4	4	1	3-4	S	NS	S	S	3-4
4	4-5	4-5	3	4	S	NS	S	S	3-4
5	4-5	4-5	3	4	S	S	S	S	3-4
5	5	5	1	4	S	S	S	S	3-5
5	5	5	1	4	S	S	S	S	3-4
5-6	4-5	4-5	3	4	S	S	S	S	4-5
5	5	5	1	4	S	S	S	S	3-4
5	4-5	5	3	3-4	S	S	S	S	3-5
4	5	5	1	3	S	S	S	S	3-4
4-5	4	4	3	3	S	S	S	S	4-5
3-4	5	5	1	3	S	S	S	S	3-4
4-5	5	4-5	4	S	S	S	S	S	5-6
4-5	4	4	3	3	S	S	S	S	4-5
5	4-5	4	3	3	S	S	S	S	4-5

REACTIVE DYES

High Exhaust Series				General Properties			
Product Name	C.I. No.	Shades		Solubility (gpl.)	Substantivity	Dischargeability	Day Light 1/1
		0.5%	2%				
Yellow HC-HE4G	Yellow 81			70	H	G	4
Yellow HC-HE6G	Yellow 135			75	M	G	4-5
Golden Yellow HC-HE4R	Yellow 84			85	H	F	5-6
Orange HC-HER	Orange 84			80	H	P	3-5
Red HC-HE3B	Red 120			75	H	P	4-5
Red HC-HE7B	Red 141			85	H	P	3-5
Red HC-HE8B	Red 152			80	H	P	3-5
Blue HC-HEGN	Blue 198			60	M	G	3-4
Navy Blue HC-HER	Blue 171			60	H	F	4-5
Blue HC-GNG	NA			60	M	G	3-4
Blue HC-PNG	NA			60	M	G	3-4
Blue HC-HERD	Blue 160			75	H	F	5-6
Sky Blue HC	NA			75	M	G	3-4
Green HC-HE4B	Green 19			80	H	F	4-5

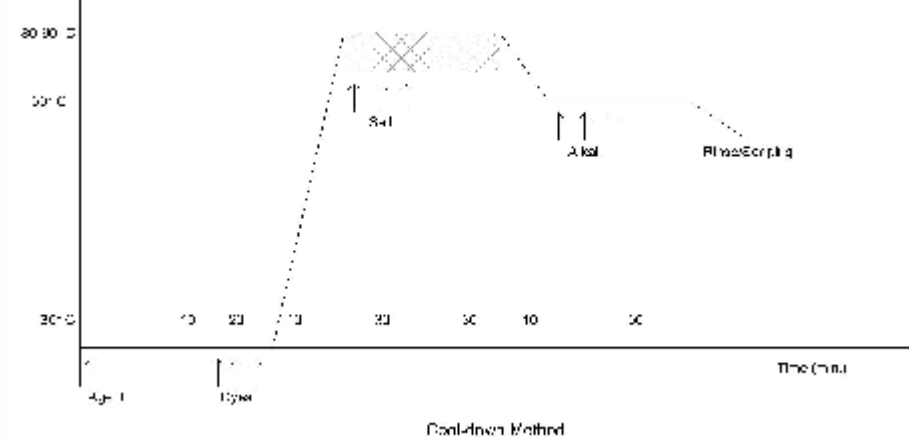
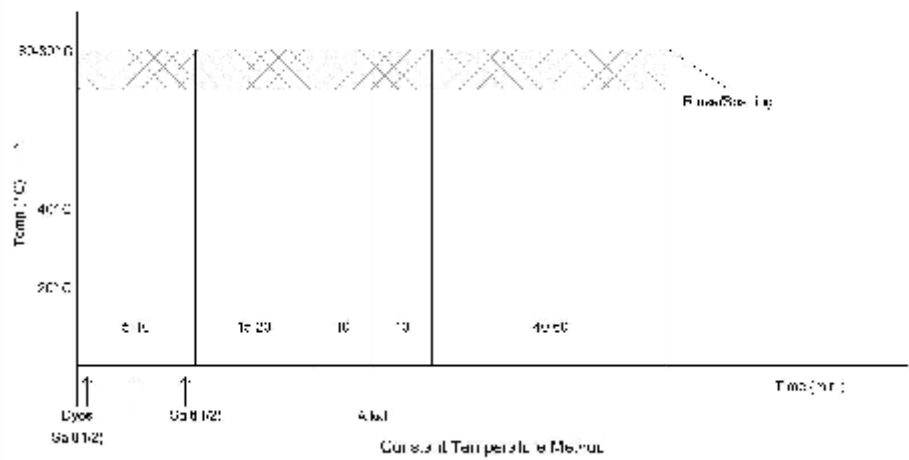
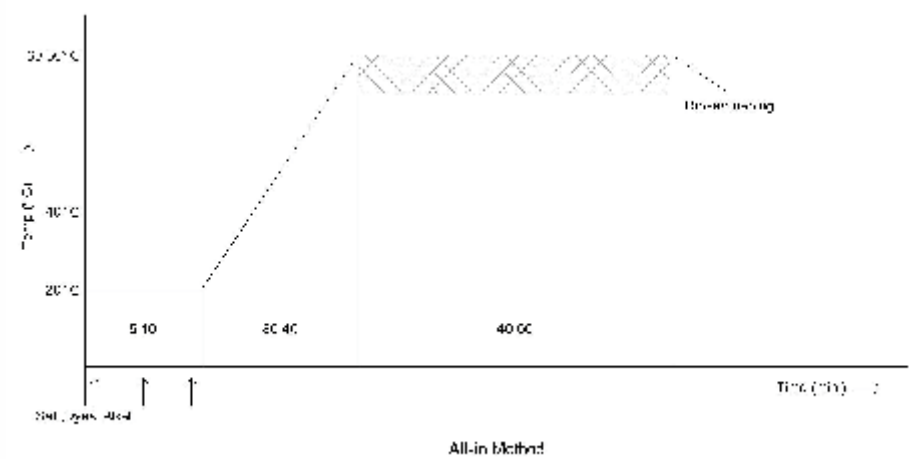
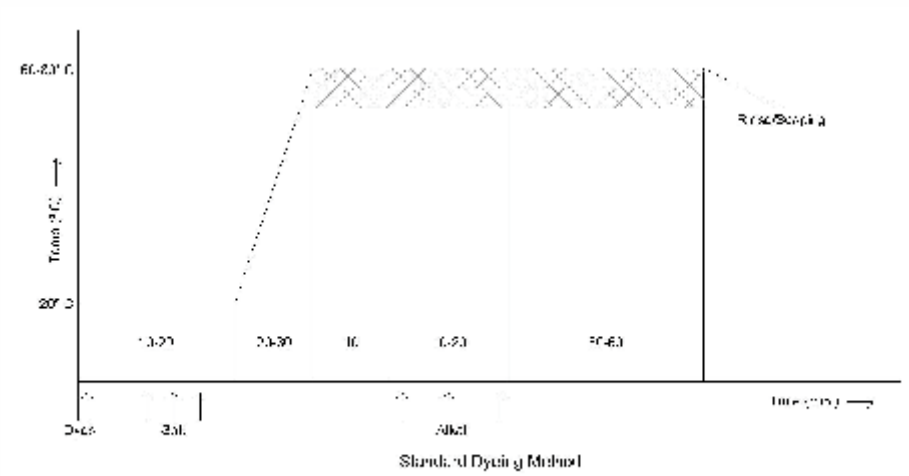
Indications
S - Suitable
NS - Non Suitable
H - High | M - Medium | L - Low
G- Good | F - Fair | P - Poor

REACTIVE DYES

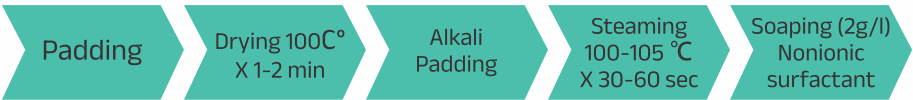
Fastness Properties				Suitability			Rubbing Fastness
Washing ISO 105 - C04	Perspiration		Hypochlorite Bleach	Printinging			
	Alkaline	Acidic		Exhaust at R.T.	Steam	Silicate	
5	4	4-5	3	3	S	S	4-5
5	4	4-5	3	3	S	S	3-4
5	4-5	4-5	2-3	4-5	S	S	4-5
5	4	3	3	4	S	NS	3-4
5	4-5	4	1-2	4	S	NS	4-5
4	4-5	4	3	4-5	S	S	3-4
4	4	4-5	2	4-5	S	NS	3-4
4	5	5	3	4	S	S	3-4
4-5	5	4-5	3	4-5	S	S	3-4
4	5	5	3	4	S	S	3-4
4	5	5	3	4	S	S	3-4
5	5	5	1	4-5	S	S	4-5
4	5	5	3	4	S	S	3-4
4	4	4	2	2-3	S	S	3-4

Note : Colour Printed may differ from original shades of dye on substract.
For further information please contact our technical service division.

Exhaust Dyeing Method.



Continuous Dyeing Method



Padding Liquor		Alkali Padding Liquor	
Dye	X g/l	Caustic Soda (38° Be)	10-15ml/l
Wetting Agent	1-2 g/l	Common Salt	250 g/l
Sodium Alginate	2-5 g/l		

Printing Method

A. Printing Recipe	
Printing Dyes	X
Urea	50-60
Hot Water	Y
Sodium Alginate	400-600
Reduction Inhibitor	10-20
Sodium Bicarbonate	10-30
Total	1000

