

Coralene Yellow Brown 2RC H/C

A high energy orange disperse dye suitable as a basic tri-chromate component for various applications on polyester

Suitability / Application:

Substrate:

Fiber / Yarn	-	●
Sewing threads	-	●
Piece dyeing	-	●
Micro fibers / fabric	-	■
P/C Blends - Exhaust, 2 bath	-	●
P/C Blends - Continuous	-	●
P/Elastane Blends	-	■
P/W Blends	-	●

Process:

Exhaust dyeing:

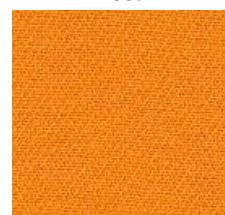
Low temperature with carrier	-	○
Carrier dyeing at 110 ⁰ C	-	○
HT, 130 ⁰ C	-	●
HT, Alkaline dyeing (buffered at pH 9.5)	-	●
Continuous dyeing	-	●
Printing	-	●
Development method in printing:		
Pressure Steaming	-	●
HT Loop Steaming	-	●
Discharge printing	-	
Dischargeable ground	-	●
Discharge resistant illuminant	-	○

Exhaust Dyeing

0.440%



1.33%



2.66%



(Dyeing at 130⁰C for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

General properties:

C.T.Z.:	100 - 125 ⁰ C
Leveling at 130 ⁰ C:	Good
Migration:	Good
pH range for application :	3.0 -7.0
Dischargeability:(Zinc sulphonylate formaldehyde)	Good
Sensitivity to metal (Fe):	Low
Stripping method:	Reductive
Saturation value in HTHP exhaust dyeing:	3.75%
(On 80D/36F polyester knit fabric)	

Continuous dyeing

13.3 g/l on P/C cloth



Shade change under artificial light:

D 65	Inc A	F 11 (TL 84)	F02 (CWF)	UL 35
Control	R	G	GG	G

Cross staining on other components of blends in one bath dyeing:

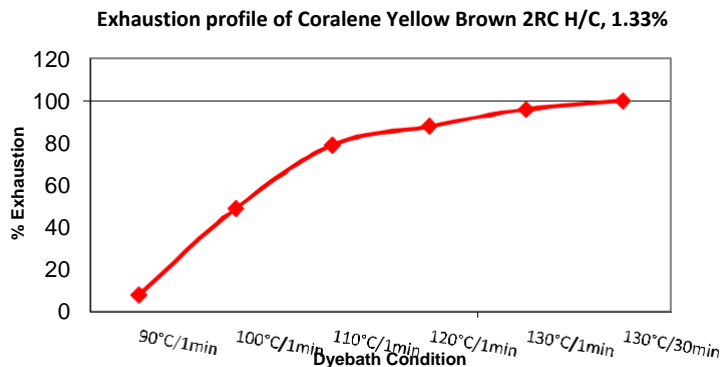
Substrate	CA	PAN	PA	Cellulosic	Wool
Staining in dyebath	High	Moderate	High	Moderate	Moderate
Staining after R.C.	High	Moderate	High	Low	Low

(Abbreviation: ● Suitable, ○ Not Suitable, ◐ Limited suitability, ■ Not Recommended, R Redder,

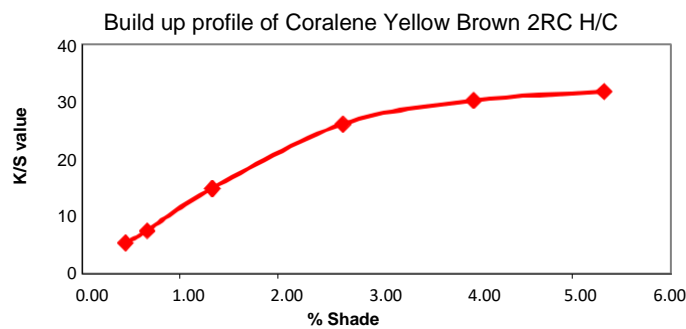
G - Greener, B - Bluer)

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Product Performance:



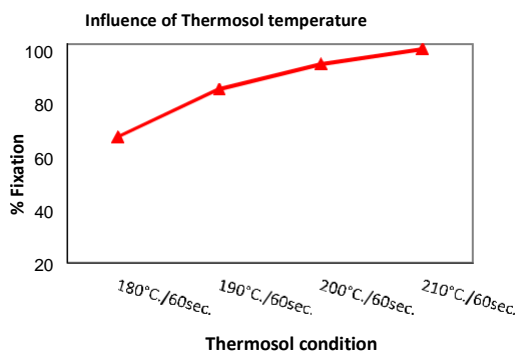
(Dyeing at different dyebath temperature on polyester fabric at pH 4 adjusted with Levocol 4398)



(Exhaust dyeing different depth at 130⁰C temperature for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

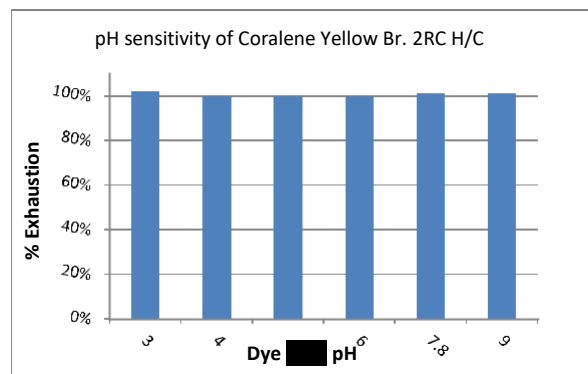
Thermosol Application:

13.3 gpl Coralene Yellow Brown 2RC H/C on P/C fabric



pH Sensitivity:

1.33 % Coralene Yellow Brown 2RC H/C in exhaust dyeing



Fastness Properties: (Tested on 80D/36F 100% PET Knit dyed by exhaust method)

Light fastness (ISO 105 B02)

Light fastness (AATCC 16, Option 3, 20 AFU)

Sublimation fastness at 1.33% depth (ISO 105 P01, 30 Sec)

Shade change (Rating)		
0.22%	0.44%	1.33%
6	5-6	6
4.0	4.0	4.0

Temperature	180 ⁰ C	190 ⁰ C	200 ⁰ C
C.O.S.	4-5	4-5	4-5
Staining on PET	4-5	3-4	3

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Fastness Properties: (Tested at 1.33 % depth, on 80D/36F 100% PET Knit dyed by exhaust method and post set at 180⁰C for 30 Sec)

		Staining on						
		C.O.S.	Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
Perspiration Light fastness (ISO 105 B07)	Acidic	4-5						
Perspiration Light fastness (ISO 105 B07)	Alkaline	4-5						
Wash fastness (ISO 105 C06, A2S,)		4	4	4-5	4-5	4-5	4-5	4-5
Wash fastness (ISO 105 C06, C2S,)		4	3-4	4-5	4	4-5	4-5	4-5
Wash fastness (ISO 105 C10 C, 60 ⁰ C)		4	4-5	4-5	4-5	4-5	4-5	4-5
Wash fastness (AATCC 61 Option 2A, 49 ⁰ C)		4.0	3.0	4.5	3.0	4.5	4.5	4.0
Dry cleaning fastness (ISO 105 D01)		4	4-5	4-5	4-5	4-5	4-5	4-5
Water fastness (ISO 105 E01)		4-5	4	4-5	4	4-5	4-5	4-5
Sea water fastness (ISO 105 E02)		4-5	4	4-5	4	4-5	4-5	4-5
Chlorinated water (ISO 105 E03)	20 ppm	4-5						
Chlorinated water (ISO 105 E03)	50 ppm	4-5						
Perspiration fastness (ISO 105 E04)	Acidic	4-5	4	4-5	4	4-5	4-5	4-5
Perspiration fastness (ISO 105 E04)	Alkaline	4-5	4	4-5	4	4-5	4-5	4-5
Hypochlorite bleach fastness (ISO 105 N01)		4-5						
Peroxide bleach fastness (ISO 105 N02)		4-5		4-5		4		
Croaking fastness (ISO 105 X12, Dry/Wet)				4-5/4-5				
PVC migration (ISO 105 X10)		3-4	(Staining on PVC film)					
Saliva fastness (DIN 53160)		5	(Staining on filter paper)					

Note:

Disclaimer: This information is provided in good faith, to the best of our knowledge and without liabilities.



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