

Sodecron Yellow Brown XF-CT

A high performance orange disperse dye, that exhibits good light, sublimation and wash fastness. Suitable for producing deep ternery shades in combination with Rubine XF-2G and Navy XF-CT.

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	-	○
HT, 130°C	-	●
HT, Alkaline dyeing	-	○

Continuous dyeing

	-	●
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Printing

	-	●
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Development method in printing:

Pressure Steaming	-	●
HT Loop Steaming	-	●

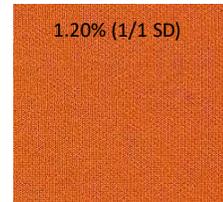
Discharge printing	-	■
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Exhaust Dyeing

0.600%



1.20% (1/1 SD)



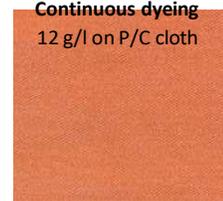
2.40%



General properties:

C.T.Z.:	-	110 - 130°C
Leveling at 130°C:	-	Moderate
Migration:	-	Moderate
Recommended pH with buffer system :	-	4.0
Recommended auxiliary:	-	Levocol OA, 3 - 4 g/l
Dischargeability:(Zinc sulphoxylate formaldehyde)	-	Good
Sensitivity to metal (Fe)	-	Low
Stripping method	-	Reductive
Saturation value in HTHP exhaust dyeing	-	4.00%
(On 80D/36F polyester knit fabric)		

Continuous dyeing
12 g/l on P/C cloth



(67/33 Blend)

Shade change under artificial light:

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

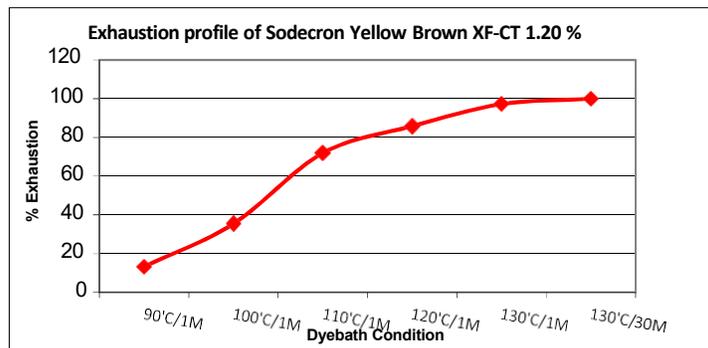
Cross staining on other components of blends in one bath dyeing:

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

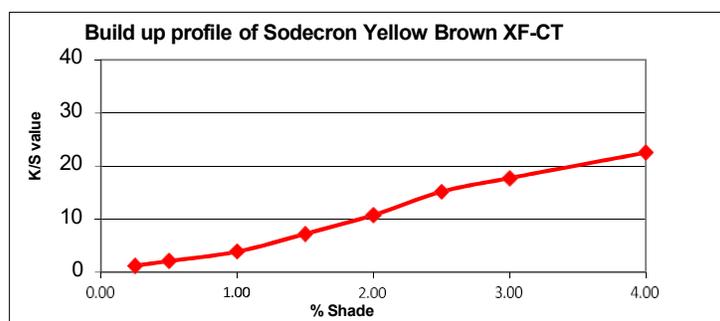
(Abbreviation: ● - Suitable, ○ - Not Suitable, ● - Limited suitability, ■ - Not Recommended, R - Redder, G - Greener, Y - Yellower, B - Bluer)

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Product Performance:



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



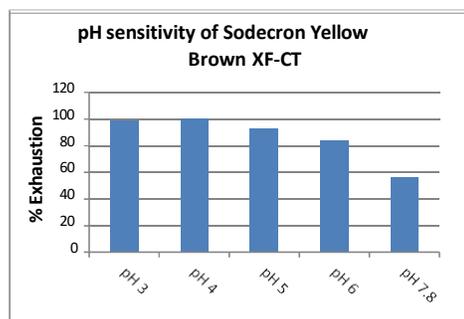
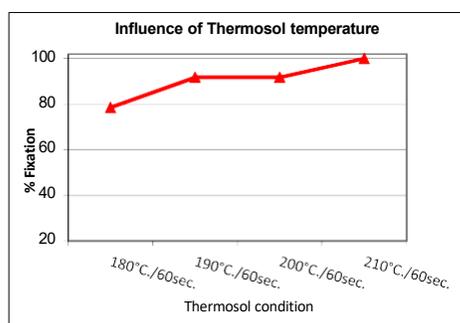
(Exhaust dyeing different depth at 130°C temperature for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

Thermosol Application: (Pad - Dry - Thermosol)

12.0 gpl Sodecron Yellow Brown XF-CT on P/C fabric

pH Sensitivity:

1.20% Sodecron Yellow Brown XF-CT 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 1/1 SD (ISO 105 P01)

Shade change (Rating)		
1/6 SD	1/3 SD	1/1 SD
5-6	5-6	6
4.0	4.0	4.5

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

Sodecron Yellow Brown XF-CT

Fastness Properties: (Tested at 1.20% depth, on 80D/36F 100% PET Knit dyed by exhaust method and post set at 180°C for 30 Sec)

		Staining on						
		C.O.S.	Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
—	Perspiration Light fastness (ISO 105 B07) Acid	4-5						
—	Perspiration Light fastness (ISO 105 B07) Alkaline	4-5						
—	Wash fastness (ISO 105 C10 C, 60°C)	4	4-5	4-5	4-5	4-5	4-5	4-5
—	Wash fastness (ISO 105 C06, C2S,)	4	4	4-5	4-5	4-5	4-5	4-
—	Wash fastness (AATCC 61 Option 2A,49°C)	4.0	4.5	4.5	4.5	4.5	4.5	4.5
—	M&S C4A, 60°C	4	4-5	4-5	4-5	4-5	4-5	4-
—	Adidas Wash fastness, 60°C	4	4	4-5	4-5	4-5	4-5	4-5
—	Dry cleaning fastness (ISO 105 D01)	4	4-5	4-5	4-5	4-5	4-5	4-
—	Water fastness (ISO 105 E01)	4-5	4-5	4-5	4-5	4-5	4-5	4-5
—	Sea water fastness (ISO 105 E02)	4-5	3-4	4	4	4-5	4-5	4-
—	Chlorinated water fastness,(Adidas 5.06, 50 ppm)	4						
—	Perspiration fastness (ISO 105 E04,Acid)	4-5	4-5	4-5	4-5	4-5	4-5	4-
—	Perspiration fastness (ISO 105 E04,Alkaline)	4-5	4-5	4-5	4-5	4-5	4-5	4-5
—	Burnt gas fumes fastness (ISO 105 G02, 3 cycles)	4-5						
—	Hypochlorite bleach fastness (ISO 105 N01)	4						
—	Peroxide bleach fastness (ISO 105 N02)	4-5		4-5		4-5		
—	Mercerization fastness (ISO 105 X04)	4-5						
—	PVC migration (ISO 105 X10)	4 (Staining on PVC foil)						
—	Croaking Fastness (ISO 105 X12, Dry/Wet)	4-5/4-5						
—	Migration during storage (AATCC TM 163)	4.5	4.5	4.5	4.5	4.5	4.5	4.5
—	Saliva fastness (DIN 53160)	5.0 (Staining on filter paper)						

Fastness Properties: (Tested at 2.40% depth, on 100% micro PET Knit (0.5 dpf) dyed by exhaust method and post set at 180°C for 30 Sec)

		Staining on						
		C.O.S.	Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
—	Light fastness (ISO 105 B02)	5-6						
—	Wash fastness (ISO 105 C06, C2S,)	4	2-3	4	3	3-4	4-5	4
—	Wash fastness (AATCC 61 Option 2A,49°C)	4.0	3.0	4.0	3.0	3.5	4.5	4.0
—	Water fastness (ISO 105 E01)	4-5	3	4	3	3-4	4	3-4
—	Croaking Fastness (ISO 105 X12, Dry/Wet)	4/4						

Fastness Properties: (Tested at 12.0 g/l depth, on P/C (67/33) blend twill fabric by continuous dyeing method and post set at 180°C for 30 Sec)

		Staining on						
		C.O.S.	Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
—	Wash fastness (ISO 105 C06, C2S,)	4	4	4-5	4	4-5	4-5	4-5
—	Wash fastness (AATCC 61 Option 2A,49°C)	4.0	4.0	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
—	Croaking Fastness (ISO 105 X12, Dry/Wet)	4-5/4-5						

Note:

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