

Sodecron Red F3BS

A high strength bluish red disperse dye for colouration of bright red shades on polyester

Suitability / Application:

Substrate:

Fiber / Yarn	-	0
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°C	-	0
HT, 130°C	-	●
HT, Alkaline dyeing (buffered at pH 9.5)	-	○

Continuous dyeing - ●

Printing - ●

Development method in printing:

Pressure Steaming	-	●
HT Loop Steaming	-	●

Discharge printing -

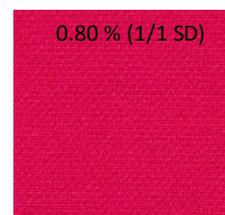
Dischargeable ground - ●

Discharge resistant illuminant - ○

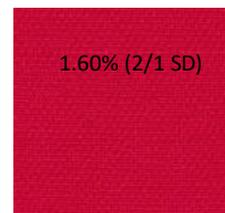
Exhaust Dyeing
0.27% (1/3 SD)



0.80 % (1/1 SD)



1.60% (2/1 SD)



(Dyeing at 130°C for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

General properties:

C.T.Z.: 110 - 130°C

Leveling at 130°C: Good

Migration: Moderate

pH range for application : 3.0 - 7.0

Dischargeability:(Zinc sulphoxylate formaldehyde) Moderate

Sensitivity to metal (Fe): Low

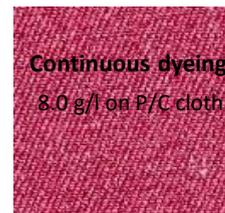
Stripping method: Reductive

Saturation value in HTHP exhaust dyeing: 2.20%

(On 80D/36F polyester knit fabric)

Continuous dyeing

8.0 g/l on P/C cloth



Shade change under artificial light:

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

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

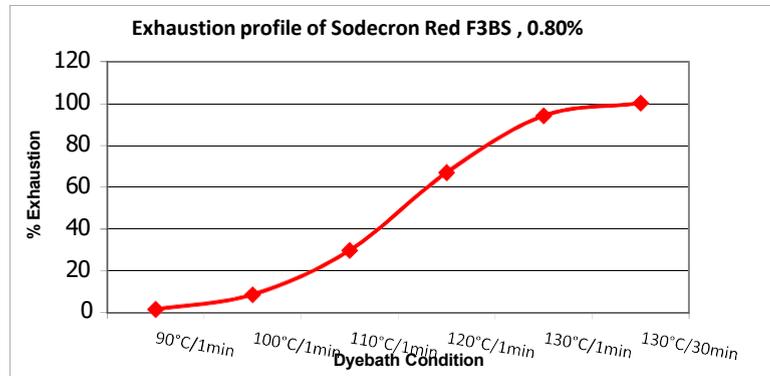
Sodecron Red F3BS

G - Greener, B - Bluer)

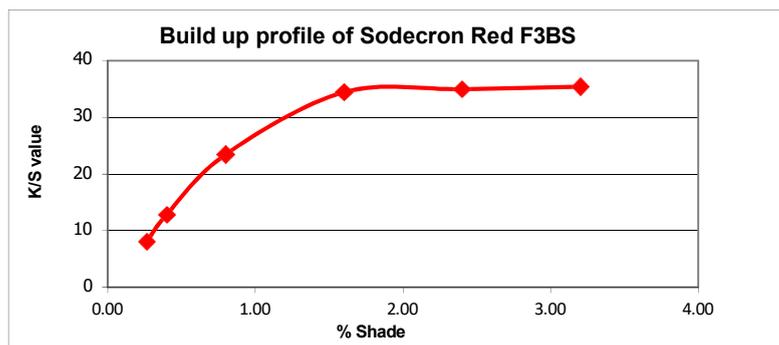
V 1.0D,07/20

Sodecron Red F3BS

Product Performance:



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



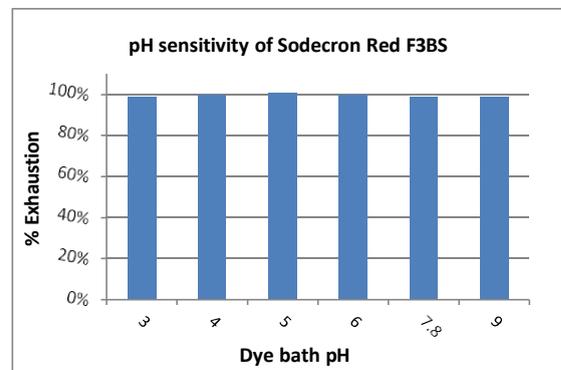
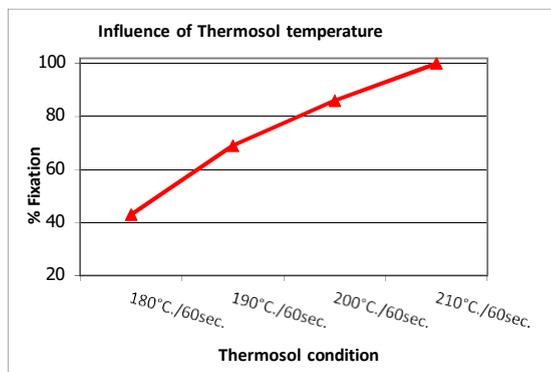
(Exhaust dyeing different depth at 130°C temperature for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

Thermosol Application:

8.0 gpl Sodecron Red F3BS on P/C fabric

pH Sensitivity:

0.80% Sodecron Red F3BS 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, 30 Sec)

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

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

Sodecron Red F3BS

Fastness Properties: (Tested at 0.80% 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)	Acidic	4-5						
● Perspiration Light fastness (ISO 105 B07)	Alkaline	4-5						
● Wash fastness (ISO 105 C06, A2S,)		4	4	4-5	4	4-5	4-5	4-5
● Wash fastness (ISO 105 C06, C2S,)		4	3-4	4-5	3-4	4-5	4-5	4-5
● Wash fastness (ISO 105 C10 C, 60°C)		4	4	4-5	4	4-5	4-5	4-5
● Wash fastness (AATCC 61 Option 2A, 49°C)		4.0	3.0	4.0	2.5	4.0	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						
● 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		4-5		
● Crocking fastness (ISO 105 X12, Dry/Wet)				4-5/4-5				
● PVC migration (ISO 105 X10)		3	(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.