

## Sodecron Brilliant Red HP-BFS

A bright red disperse dye exhibiting excellent wash, chlorinated water fastness and contact fastness. Suitable for micro polyester, polyester / elastane blends. The dye is stable to metal ions; useful for bright red and scarlet shades in combination with Brill Red HP-3BS and Gold Yellow HP-3R.

### 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, 135°C	-	●
HT, Alkaline dyeing	-	○

Continuous dyeing	-	●
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Printing	-	●
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##### Development method in printing:

Pressure Steaming	-	●
HT Loop Steaming	-	●

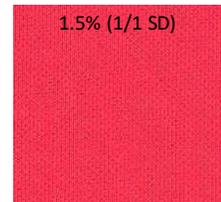
Discharge printing	-	○
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#### Exhaust Dyeing

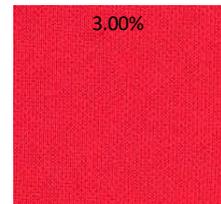
0.500%



1.5% (1/1 SD)



3.00%



(Dyeing at 135°C for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

### General properties:

C.T.Z.:	-	100 - 125°C
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Leveling at 135°C:	-	Moderate
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Migration:	-	Moderate
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Recommended pH with buffer system :	-	4.0
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Recommended auxiliary:	-	Levocol OA, 3 - 4 g/l
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Dischargeability:(Zinc sulphoxylate formaldehyde)	-	Low
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Sensitivity to metal (Fe)	-	Low
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Stripping method	-	Reductive
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Saturation value in HTHP exhaust dyeing	-	4.50%
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(On 80D/36F polyester knit fabric)

#### Continuous dyeing

15 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:

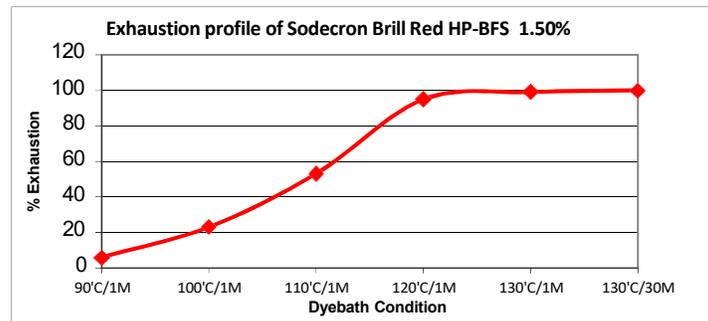
Substrate	CA	PAN	PA	Cellulosic	Wool
Staining in dyebath	High	Moderate	High	Moderate	Moderate
Staining after R.C.	High	Moderate	High	Low	Low

(Abbreviation: ● - Suitable, ○ - Not Suitable, ◐ - Limited suitability, ◑ - Not Recommended, R - Redder, G - Greener,

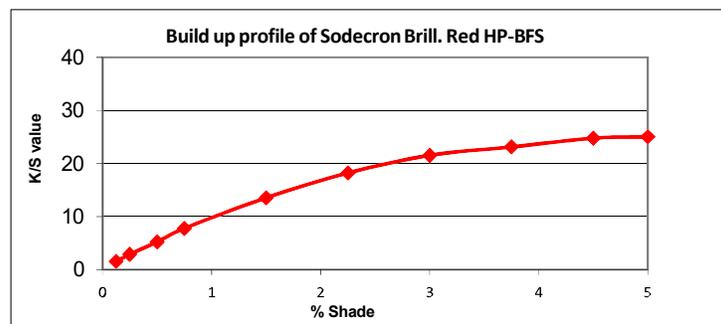
Y - Yellower, B - Bluer)

## Sodecron Brilliant Red HP-BFS

### Product Performance:



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



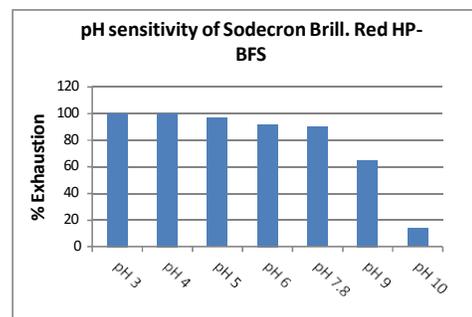
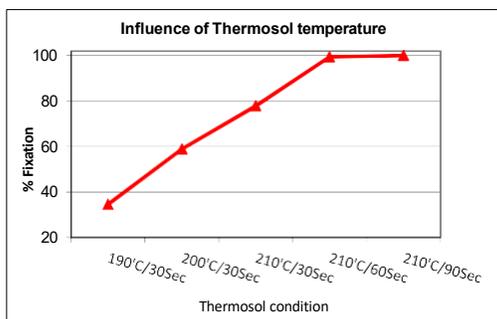
(Exhaust dyeing different depth at 135°C temperature for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

### Thermosol Application: (Pad - Dry - Thermosol)

15 gpl Sodecron Brill. Red HP-BFS on P/C fabric

### pH Sensitivity:

1.5% Sodecron Brill. Red HP-BFS 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
4	4-5	4-5
3.0	3.5	4.0

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

## Sodecron Brilliant Red HP-BFS

**Fastness Properties:** ( Tested at 1.5% 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	4-5	4-5	4-5	4-5	4-5	4-5
— 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	4-5
— Adidas Wash fastness, 60°C		4	4	4-5	4	4	4-5	4-5
— 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	4-5	4-5	4-5	4-5	4-5	4-5
— Sea water fastness (ISO 105 E02)		4-5	4-5	4-5	4-5	4-5	4-5	4-5
— 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	4-5
— 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)		4-5						
— Peroxide bleach fastness (ISO 105 N02)		4-5		4-5		4-5		
— Mercerization fastness (ISO 105 X04)		4-5		4-5				
— PVC migration (ISO 105 X10)		3-4	(Staining on PVC foil)					
— Crocking Fastness (ISO 105 X12, Dry/Wet)			4-5/4					
— 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	(Staining on filter paper)					

**Fastness Properties:** (Tested at 6.00% 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)		4						
— Wash fastness (ISO 105 C06, C2S, )		4	4-5	4-5	4-5	4-5	4-5	4-5
— Wash fastness (AATCC 61 Option 2A,49°C)		4.0	4.5	4.5	4.5	4.5	4.5	4.5
— Water fastness ( ISO 105 E01)		4-5	4-5	4-5	4	4-5	4-5	4-5
— Crocking Fastness (ISO 105 X12, Dry/Wet)			4/4					

**Fastness Properties:** (Tested at 15.0 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	4-5	4-5	4-5	4-5	4-5	4-5
— Wash fastness (AATCC 61 Option 2A,49°C)		4.0	4.5	4.5	4.5	4.5	4.5	4.5
— Water fastness ( ISO 105 E01)		4-5	4-5	4-5	4-5	4-5	4-5	4-5
— Crocking 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.