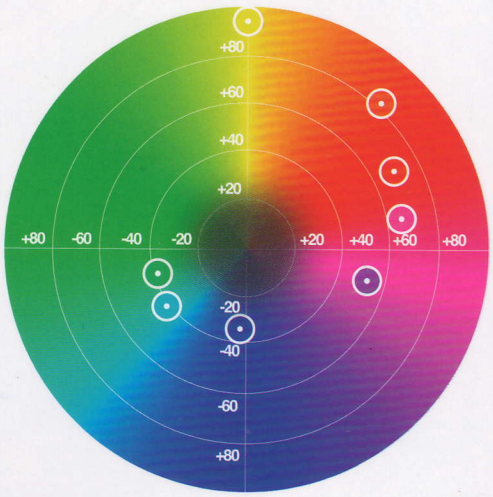

COLOR
SOLUTIONS.
Enviromentally
Ecological
Smart way.
CHROMATOL
ACTION FOR THE EARTH
COLORSOL®
BRILLIANT OS
To be Brilliant is Glorious
High brilliance with excellent fastness
Outstanding post mercerzing performance
Most durable in peroxide laundering
M&S and multiple home laundering

Color space

Colorsol Brilliant OS

The Color solution for all your brilliant shade requirements
Brilliant solution with Brilliant Dyes
We provide innovation to enhance your creativity



- Brilliant Yellow OS
- Brilliant Orange OS
- Brilliant Sarlet OS
- Brilliant Red OS
- Brilliant Violet OS
- Brilliant Blue OS
- Brilliant Turquoise OS
- Brilliant Green OS

Fastness

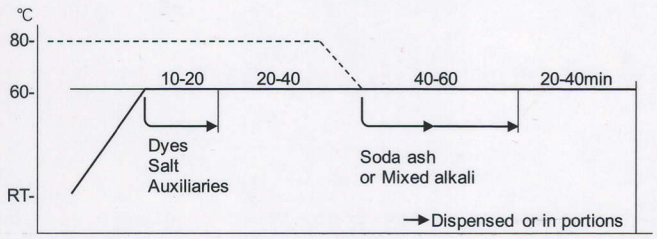
Item / Colorsol	Dyeing depth		Light Fastness ISO105 B02	Perspiration Light fastness ISO105 B07	Washing Fastness	Washing Fastness	Oxidative Bleach Damage		Perspiration ISO105 E04		Chlorinated Water 1SO105 E03 20PPM
				Acid/alkali	ISO105 C06 C2S	ISO105 C06 E2S	ISO105 C09	M&S C10A	Acid	Alkali	
	exhaust	PDPS	CH	CHCH	CH/CO	CH/CO	CH	CH	CH/CO	CH/CO	CH
Brilliant Yellow OS	0.98%	9.8g/l	6	4/3-4	4-5/4	4-5/4	3	3	4-5/4-5	4-5/4-5	3
Brilliant Orange OS	2.36%	22.6g/l	4-5	4/4	4-5/4	4-5/3	4	4	4-5/4-5	4-5/4-5	4-5
Brilliant Scarlet OS	1.82%	16.0g/l	4-5	4/4	4-5/4	4-5/3-4	4	4	4-5/4-5	4-5/4-5	4-5
Brilliant Red OS	3.80%	38.0g/l	5-6	4/4	4-5/4-5	4-5/4	4	4	4-5/4	4-5/4	4
Brilliant Violet OS	2.0%	20.0g/l	4-5	3-4/3	5/4-5	4-5/4	4	4	4-5/4-5	4-5/4-5	4-5
Brilliant Blue OS	2.74%	24.8g/l	5-6	4-5/4	4-5/4	4-5/3-4	4-5	4-5	4-5/4	4-5/4	2-3
Brilliant Turquoise OS	3.5%	30g/l	6	4-5/4	4-5/3-4	4/3-4	4	4	4-5/4	4-5/4	3-4Y
Brilliant Green OS	3.5%	30g/l	6	4-5/4	4-5/4	4-5/4	4	4	4-5/4-5	4-5/4-5	3-4Y

*Substrate: Exhaust dyeing>>Un-mercerized cotton

It is quite common to find dyes with high build up depth. The challenge is to provide brightness, depth and excellent fastness. The breakthrough is now achieved with Colorsol Brilliant OS, combinning high brilliance with remarkable fastness levels. Outer color space is now reached incorporating brilliance with depth and at the same time satisfying the high fastness levels. Enabling right first dyeing, providing retailers and consumers the brightest and added value attractive textiles that they desire.

			
1.5%Bril Red OS	0.5%Bril Orange OS 1.5%Bril Red OS	1.0%Bril Orange OS 1.5%Bril Red OS	2.0%Bril Orange OS 1.5%Bril Red OS
			
1.5%Bril Scarlet OS 0.1%Bril Red OS	1.5%Bril Orange OS 1.0%Bril Red OS	1.5%Bril Scarlet OS 2.0%Bril Red OS	2.0%Bril Orange OS 1.5%Bril Red OS
			
0.45%Bril Yellow OS 0.30%Bril Orange OS	0.9%Bril Yellow OS 0.6%Bril Orange OS	1.5%Bril Yellow OS 1.0%Bril Orange OS	1.5%Bril Yellow OS 3.0%Bril Orange OS
			
0.1%Bril Yellow OS	0.5%Bril Yellow OS	1.0%Bril Yellow OS	2.0%Bril Yellow OS
			
0.9%Bril Yellow OS 0.6%Bril Green OS	1.5%Bril Yellow OS 1.0%Bril Green OS	1.5%Bril Yellow OS 2.0%Bril Green OS	1.5%Bril Yellow OS 3.0%Bril Green OS
			
0.2%Bril Blue OS 1.5%Bril Turquoise OS	1.0%Bril Blue OS 1.5%Bril Turquoise OS	2.0%Bril Blue OS 1.5%Bril Turquoise OS	1.5%Bril Blue OS 0.2%Bril Turquoise OS
			
0.2%Bril Red OS 1.5%Bril Violet OS	0.1%Bril Blue OS 1.0%Bril Violet OS	0.5%Bril Blue OS 1.0%Bril Violet OS	1.5%Bril Blue OS 1.0%Bril Violet OS

Exhaustion Process



Soda ash method

LR≤6:1	%	<0.5	0.5	1	2	3	4	>5
Salt	g/L	20	30	40	50	60	70	80
Soda ash	g/L	14	16	18	20	20	20	20

LR<8:1	%	<0.5	0.5	1	2	3	4	>5
Salt	g/L	20	30	40	50	60	70	80
Soda ash	g/L	10	12	14	16	18	20	20

LR≥8:1	%	<0.5	0.5	1	2	3	4	>5
Salt	g/L	30	40	50	60	80	90	100
Soda ash	g/L	8	10	12	14	16	18	18

Mixed alkali method

LR≤6:1	%	<0.5	0.5	1	2	3	4	>5
Salt	g/L	20	30	40	50	60	70	80
Soda ash	g/L	10	10	5	5	5	5	5
NaOH 36°Bé	ml/L	0.5	1.0	2.0	2.5	3.0	3.5	4.0

LR<8:1	%	<0.5	0.5	1	2	3	4	>5
Salt	g/L	20	30	40	50	60	70	80
Soda ash	g/L	10	5	5	5	5	5	5
NaOH 36°Bé	ml/L	/	0.75	1.25	1.5	2.0	2.25	3.0

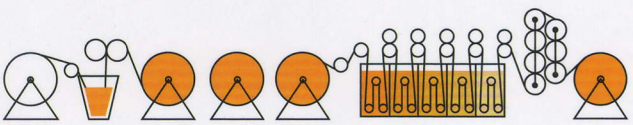
LR≥8:1	%	<0.5	0.5	1	2	3	4	>5
Salt	g/L	30	40	50	60	80	90	100
Soda ash	g/L	8	5	5	5	5	5	5
NaOH 36°Bé	ml/L	/	0.5	1.0	1.25	1.5	2.0	2.5

Washing off

Rinse 50°C *10min → Neutralize 50°C *10min with 0.2-0.5ml/L CHRO Acid PC, pH 5.5-6.0 → Soaping 95°C *10min with 1-2g/L CHRO Wash MPB → Rinse 50°C *10min → Rinse cold 10min → Soften as usual or aftertreatment

*If necessary for very dark shades we recommend an additional rinsing at 95°C

Cold-Pad-Batch Process



Padding → Batching 20~30°C , 12-24hrs → Washing off

Dye liquor

Dyes	g/L	X
CHRO Penetrating agent NF	g/L	1-2
Alkali (Ref. table)		Y

Alkali table
Silicate Method

Dyes	g/L	<10	20	30	40	50	>60
Na-silicate 38°Bé	ml/L	50					
NaOH 36°Bé	ml/L	12	14	16	18	20	22

Silicate-Free Method

Dyes	g/L	<10	20	30	40	50	>60
Soda ash	g/L	20					
NaOH 36°Bé	ml/L	4	5	7	9	11	13

Pad-Dry-Pad-Steam Process

Padding Dye Liquor → IR Pre-drying(Residue moisture 30~35%) → Hot air 120-140°C → Cold down to R.T. → Padding Chemicals → Saturated steam (100-102°C)*60-90sec. → Washing off

Dye liquor, pick up 60~80%

Dyes	g/L	X
CHRO Penetration NF	g/L	1-2
CHRO Anti-migration MI	g/L	5-10
CHRO Anti-reduction F Liq.	g/L	1-3

Chemicals, pick up 70~80%

Common salt	g/L	200-250
Soda ash	g/L	20
NaOH 36°Bé	ml/L	15

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