



**chimicatessile**

cromatos group



COLORANTI PER FIBRE CELLULOSICHE  
*CELLULOSIC DYES*

**CROMASOL**

## COLORANTI CROMASOL

La serie **Cromasol** è costituita da coloranti diretti per cotone e tutte le fibre cellulosiche. Questi sono divisi, in base alla loro affinità in tre categorie.

Categoria A: Comprende i coloranti caratterizzati da elevato potere migratorio e ottima uguaglianza.

Categoria B: Comprende i coloranti che presentano in genere un medio potere migratorio. È tuttavia possibile ottenere tinte ben unite regolando l'aggiunta del sale.

Categoria C: Comprende i coloranti dotati di scarso potere migratorio.

Il loro esaurimento è controllato mediante l'incremento graduale della temperatura.

Quasi tutti i coloranti della serie Cromasol sono dotati di buone solidità alla luce ed allo sfregamento, inoltre le solidità ad umido possono essere migliorate dopo il trattamento con appositi fissatori. Queste caratteristiche li rendono particolarmente adatti per la tintura di articoli per arredamento o per abbigliamento dove sono richieste buone solidità alla luce.

CROMASOL		% Dyeing	Solubility (g/l a 80 °C)	Classification S.D.C	Light	Water	Washing 40°C	Washing after treated	Perspiration Acid	Perspiration Alkaline	Dry Cleaning	Coverage Dead Cotton	Hot Pressing Imm-After 4 h	Rubbing	Dischargeability
					1/6	E	E	E	E	E				Dry	Neutral
					1/1	CO	CO	CO	CO	CO				Wet	Alkaline
					2/1	WO	WO	WO	WO	WO					
	Yellow Fluo 7G	1	25	B	2 2-3 3-4	4-5 3-4 3-4	3-4 2-3 2-3	5 4-5 4-5	4-5 4 4	4-5 4 4	4	+	4 4	4 3	* *
	Yellow 5G	1	10	A	4 4-5 5-6	2-3 1-2 3-4	2 2 4-5	3 3 4-5	3 2 3	3 2 3	5	-	4-5 4-5	4 3	4-5 4-5
	Yellow PG	1	50	B	3-4 4 4-5	3 3-4 4	3-4 3-4 4-5	4-5 4 5	4-5 4-5 5	4 3-4 4-5	4	-	3-4 3	4-5 3-4	* *
	Yellow 4GL	1	30	A	3-4 4-5 5	3-4 2-3 4	3 3 4	3-4 3-4 4-5	3-4 4-5 5	3-4 3-4 4-5	4	+	3-4 3-4	4-5 3-4	4 3
	Yellow R	1	60	A	4-5 5 6	3 2-3 3-4	3 2-3 3-4	4 3-4 4-5	4 2-3 4	3-4 2-3 3-4	4	+	3 4-5	4-5 3-4	5 3-4
	Yellow RL	1	80	B	4 4-5 5	3-4 3-4 4-5	4 3 4	4-5 4 5	4-5 3 4	3-4 3 4	4	-	5 4	4 3	4-5 3-4
	Yellow EFC	1	60	B	4-5 5 5-6	4 2-3 3-4	3-4 3-4 4-5	4 4 4-5	4-5 3 4	4-5 3 4	4	+	3 4	4 3	2 2
	Orange S	1	10	B	3 3 4	4-5 4 4	3-4 2 4	4-5 3 5	4-5 4 4	4 4 4	*	-	3 4	4 3	4 2
	Orange 7GL	1	60	B	5 6 6-7	3-4 3 4	3-4 3 4-5	4 3-4 5	4 3-4 4-5	4 3-4 4-5	4	+	3-4 3-4	4-5 3-4	3 2
	Orange TGL	1	80	B	4 5-6 6	3-4 3 4	3 2-3 4-5	4 3-4 5	3-4 3 4	3 3 4	4	-	3 4-5	4-5 3-4	3 1-2

CROMASOL		% Dyeing	Solubility (g/l a 80 °C)	Classification S.D.C	Light	Water	Washing 40°C	Washing after treated	Perspiration Acid	Perspiration Alkaline	Dry Cleaning	Coverage Dead Cotton	Hot Pressing Imm-After 4 h	Rubbing	Dischargeability
					1/6 1/1 2/1	F CO WO	F CO WO	F CO WO	F CO WO	F CO WO				Dry Wet	Neutral Alkaline
Orange 2GL	1	60	B	4-5 6 6-7	3-4 3 4	3 2-3 3-4	4 3-4 5	3-4 3 4	3-4 3 4	4	-	3-4 4	4-5 3-4	3 2	
Orange 3R	1	35	B	4-5 5-6 6	3-4 3 4	3-4 3 4-5	4 4 5	3-4 3 4-5	3-4 3 4-5	4-5	+	3-4 4	4-5 3-4	2-3 2-3	
Scarlet 4BS	!	15	C	2 2-3 3	3 2-3 3-4	3-4 3-4 4	4-5 4 5	4 3 3-4	4 3-4 4-5	4	-	4 4	4 3-4	4-5 4	
Scarlet 4BN	1	30	B	2 2-3 3	3 2-3 3-4	2-3 3 4	3-4 4 4-5	2-3 3 4	2-3 3 4	4	-	4 5	4-5 4	2-3 2-3	
Scarlet BNL	1	70	B	3-4 4-5 5	4 2-3 3	4 3 4-5	4 4 5	4 3 4	4 3 4	4	+	4 4	3-4 2-3	3 2-3	
Red Scarlet F2G	1	30	B	2 2-3 3	4 3 3-4	4 2-3 4	4-5 3-4 4-5	3-4 4 4	3-4 3 4	4	*	4 4	3-4 2-3	* *	
Red F3B	1	35	B	3-4 5 5	4 3 4	3 3 4-5	4 3-4 4-5	3 3 4-5	4 4 4-5	4-5	-	3-4 4	3-4 2-3	3-4 3-4	
Red 8BL	1	25	A	3-4 4-5 4-5	2 1-2 2-3	2 2 4-5	3 3 4-5	3 1-2 2-3	3 1-2 2-3	4	-	4 5	4-5 3	4 3-4	
Red BWS	1	100	B	3 4-5 5	4 2-3 3	4 2-3 3	4-5 3-4 4-5	3-4 3 3	4 3 3	4	-	3-4 4	3-4 2-3	2-3 2-3	
Red 6BL	1	20	B	5 6 6-7	3-4 3 4	3 3 4-5	4 4 5	4 3 4-5	3-4 3 4-5	4	-	3-4 4	4-5 3	3-4 3-4	
Pink FR	1	100	B	1 1-2 2	4 3-4 3	3-4 3 3-4	4-5 4 4-5	4 3 3-4	4 3 3-4	4	+	4-5 5	4 3-4	* *	
Pink B	1	40	B	1-2 2-3 3-4	4 3-4 3-4	3 2 2	4-5 4 4	4 3-4 4	4 3-4 4	4	+/-	4 3-4	4 3-4	* *	
Rubine BL	1	60	B	5 6 6-7	4 3 4-5	4 3-4 4	4-5 4 4-5	4 2-3 3	4 2-3 3	4	-	4 5	4-5 3-4	2 2	
Violet 2B	1	30	A	3-4 5 5-6	3 2-3 3-4	3 2 4-5	4 3 5	3 2 3	3 2 3	4	-	2 4	4-5 3-4	4 4	
Violet 5B	1	10	C	5 6 6-7	3 2-3 3-4	3 2-3 4	3-4 3-4 4-5	2-3 3 4-5	2-3 3 4-5	4	-	3-4 4	4-5 3	3 2-3	

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					1/6 1/1 2/1	F CO WO	F CO WO	F CO WO	F CO WO	F CO WO				Dry Wet	Neutral Alkaline
Turquoise GL	1,5	50	B	4-5	2-3	2-3	4	2-3	2-3	2-3	4	-	3-4 5	4-5	2-3
				5-6	3	3-4	4-5	2-3	2-3	3-4				3-4	2-3
				6	3-4	4-5	5	3-4	3-4						
Turquoise FBL	1,5	30	A	5	2-3	2-3	4	3-4	3-4	3-4	4	-	3-4 5	4-5	2-3
				6	3	3-4	4-5	2-3	2-3	3-4				3-4	2-3
				6-7	3-4	4	4-5	3	3						
Blue Royal S	1,5	45	B	4-5	4	3-4	4	4	4	4	4-5	-	4 4-5	4-5	1-2
				5-6	4	2-3	3-4	4	4	4				3-4	1-2
				6	4-5	4	5	4-5	4-5						
Blue RLE	1	60	B	4-5	4	4	4	4	4	4	5	-	4 4-5	5	3-4
				5-6	3	3	4	4	4	3				3	
				6	4	5	5	4-5	4-5						
Blue GL	1	30	A	5	4	3	3-4	4	4	4	4	*	3-4 4-5	4	1
				5	4-5	2	3	4-5	4-5	3-4				1	
				5-6	5	3	5	4-5	4-5						
Blue FGL	1	20	B	4	4	3	3-4	3	3-4	3-4	4-5	+	4 5	4	4-5
				5-6	2-3	2-3	3	2	2	3-4				4-5	
				6	3	4-5	5	3	3						
Blue 4GL	1	30	B	4	4	3-4	4	4	4	4	4	-	4 4	4	4-5
				5	3	2-3	3-4	3	3	3				4-5	
				5-6	4	4-5	5	4-5	4-5						
Blue 4BL	1	70	B	3-4	4-5	3-4	4-5	4	4	4	4-5	-	4-5 4-5	4	3
				5	3-3-4	3	4	3	3	3-4				3	
				6	4	4	5	3-4	3-4						
Blue BRR	1	20	B	4	3-4	3	4	3-4	3-4	3-4	4	-	3-4 3-4	4-5	4-5
				5-6	2-3	2-3	3-4	3	3-4	3-4				4-5	
				6	3-4	4-5	4-5	4-5	4-5						
Blue BHN	1,5	50	B	3-4	3-4	3	4-5	3-4	3-4	3-4	5	-	4-5 5	4	2-3
				4	2-3	2	3	3	3	3-4				2-3	
				5	3-4	4-5	5	4	4						
Green 5G	1,5	20	B	5	4	3-4	4-5	4	4	4	4-5	+	3-4 4-5	4-5	2
				6	3-4	3	4	3-4	3-4	3-4				2	
				6-7	4	4-5	5	4	4						
Green BL	1,5	20	B	4	4-5	4	4-5	4-5	4-5	4-5	4	+	2 4-5	4-5	3
				4-5	3	3-4	4	3	2-3	3				2-3	
				5	4	4-5	4-5	4-5	4-5						
Green BNB New	1,5	10	B	2	3	2-3	3-4	4-5	4	4	4	-	4 5	4	4
				2-3	2	3	4	3-4	3	3-4				3-4	
				3	3	4	4-5	3	3						
Brown GTL	1	70	B	3	4-5	3-4	4-5	4	4	4	4-5	-	* *	4	*
				3-4	4	3	4	3-4	3-4	3				*	
				4	4	5	5	4	4						
Brown 2GL	1,5	35	A	5	4-5	4	4	4	4	4	4	+	3 4-5	4	3-4
				6	3	2-3	3-4	3	3	3				3	
				6	4-5	4-5	4-5	4	4						

CROMASOL	% Dyeing	Solubility (g/l a 80 °C)	Classification S.D.C	Light	Water	Washing40°C	Washing aftertreated	Perspiration Acid	Perspiration Aalkaline	Dry Cleaning	Coverage Dead Cotton	Hot Pressing Imm-After 4 h	Rubbing	Dischargeability
				1/6	F	F	F	F	F				Dry	Neutral
				1/1	CO	CO	CO	CO	CO				Wet	Alkaline
				2/1	WO	WO	WO	WO	WO					
Brown RL	1,5	35	B	6	4	3-4	4	3	3	4	-	3-4	*	*
				6-7	3	3	4	3-4	3-4				*	*
				7	4	5	5	4	4					
Brown BL	1,5	30	B	5	4	3-4	4	4	4	4	+	3-4	*	2
				6	3-4	3	4	3	3				*	2
				6-7	4-5	5	5	4-5	4-5					
Grey GLL	1	30	B	5	4	3-4	4	4-5	4-5	4	-	4	*	4
				6	2	2-3	4	2-3	3				*	3-4
				6-7	3-4	4	4-5	4	4					
Grey NGL	1	40	B	5-6	4	4	4-5	4	4	4	-	4-5	*	4
				6	3	3-4	4-5	3	3				*	3-4
				6-7	4-5	4-5	5	4	4					
Grey 4GL	1	20	B	4-5	3-4	4	4-5	4	4	4	+	3-4	*	3
				5-6	4	3-4	4-5	3-4	4				*	2-3
				6	4-5	4-5	5	4	4-5					
Black OBV	3	20	B	2-3	4	3-4	4	3-4	3	4	-	4	*	4-5
				3-4	2-3	2	3	2	2				*	4-5
				4	4	4-5	4-5	3	3					
Black G	3	20	B	2-3	4-5	4-5	4-5	4-5	4-5	4-5	+	3	*	3-4
				3-4	4-5	3-4	4	4	4-5				*	2-3
				4-5	4-5	4-5	5	4-5	4-5					
Black VSF	2,5	20	B	2	4	4	4-5	4	4	4-5	-	4-5	*	4-5
				3-4	4-5	2-3	3-4	4-5	4				*	4
				4	4-5	4-5	4-5	4-5	4-5					

## Metodo di tintura standard utilizzato

Preparare il bagno a 30-40°C con:

Imbicrom HT: 0,5-1,5 gr/l

Ugual H-DT: 0,5-2 gr/l

Mantenere 10 minuti e aggiungere il colorante (già sciolto in acqua bollente). Dopo 5 minuti aggiungere

Solfato o Cloruro di sodio: 5-10% nelle tinture chiare, 20-40% nelle tinte medie scure.

Il solfato va messo il 25% del quantitativo all'inizio, il resto va addizionato durante la salita della temperatura prestando particolare attenzione per i coloranti della classe B.

Si sale con un gradiente variabile da 1°C a 1,5°C al minuto fino all'ebollizione.

Dopo circa 30-45 minuti si raffredda fino a circa 70-80°C, si mantiene la temperatura per 10 minuti, si campiona, si raffredda e si risciacqua.

Nel caso di tinte medie scure si consiglia di trattare la merce in bagno nuovo a 25-30°C per 15-20 minuti con:

Henkfix NC: 1-3%

Acido Acetico(pH 6): 0,5-1g/l

## CROMASOL DYES

*Cromasol dyes are direct dyes for cotton and all cellulosic fibres. They are classified in three groups.*

*Group A: dyes with an excellent migration and high levelling power.*

*Group B: dyes with a medium migration, we can obtain a good levelled dyeing by the addition of salt.*

*Group C: dyes with a low migration but good humid fastness. The exhausting and levelled dyeing is controlled by a graduate raise of the temperature.*

*Almost all Cromasol dyes have a good rubbing and light fastness.*

*The humid fastness can be improved by the addition of a fixing agent. Cromasol dyes are widely used in garment and yarn dyeing and for textile furnishing.*

CROMASOL		% Dyeing	Solubility (g/l a 80 °C)	Classification S.D.C	Light	Water	Washing 40°C	Washing aftertreated	Perspiration Acid	Perspiration Aalkaline	Dry Cleaning	Coverage Dead Cotton	Hot Pressing Imm-After 4 h	Rubbing	Dischargeability
					1/6 1/1 2/1	E CO WO	E CO WO	E CO WO	E CO WO	E CO WO				Dry Wet	Neutral Alkaline
	Yellow Fluo 7G	1	25	B	2 2-3 3-4	4-5 3-4 3-4	3-4 2-3 2-3	5 4-5 4-5	4-5 4 4	4-5 4 4	4	+	4 4	4 3	* *
	Yellow 5G	1	10	A	4 4-5 5-6	2-3 1-2 3-4	2 2 4-5	3 3 4-5	3 2 3	3 2 3	5	-	4-5 4-5	4 3	4-5 4-5
	Yellow PG	1	50	B	3-4 4 4-5	3 3-4 4	3-4 3-4 4-5	4-5 4 5	4-5 4-5 5	4 3-4 4-5	4	-	3-4 3	4-5 3-4	* *
	Yellow 4GL	1	30	A	3-4 4-5 5	3-4 2-3 4	3 3 4	3-4 3-4 4-5	3-4 4-5 5	3-4 3-4 4-5	4	+	3-4 3-4	4-5 3-4	4 3
	Yellow R	1	60	A	4-5 5 6	3 2-3 3-4	3 2-3 3-4	4 3-4 4-5	4 2-3 4	3-4 2-3 3-4	4	+	3 4-5	4-5 3-4	5 3-4
	Yellow RL	1	80	B	4 4-5 5	3-4 3-4 4-5	4 3 4	4-5 4 5	4-5 3 4	3-4 3 4	4	-	5 4	4 3	4-5 3-4
	Yellow EFC	1	60	B	4-5 5 5-6	4 2-3 3-4	3-4 3-4 4-5	4 4 4-5	4-5 3 4	4-5 3 4	4	+	3 4	4 3	2 2
	Orange S	1	10	B	3 3 4	4-5 4 4	3-4 2 4	4-5 3 5	4-5 4 4	4 4 4	*	-	3 4	4 3	4 2
	Orange 7GL	1	60	B	5 6 6-7	3-4 3 4	3-4 3 4-5	4 3-4 5	4 3-4 4-5	4 3-4 4-5	4	+	3-4 3-4	4-5 3-4	3 2
	Orange TGL	1	80	B	4 5-6 6	3-4 3 4	3 2-3 4-5	4 3-4 5	3-4 3 4	3 3 4	4	-	3 4-5	4-5 3-4	3 1-2

CROMASOL		% Dyeing	Solubility (g/l a 80 °C)	Classification S.D.C	Light	Water	Washing40°C	Washing aftertreated	Perspiration Acid	Perspiration Aalkaline	Dry Cleaning	Coverage Dead Cotton	Hot Pressing Imm-After 4 h	Rubbing	Dischargeability
					1/6 1/1 2/1	F CO WO	F CO WO	F CO WO	F CO WO	F CO WO				F CO WO	Dry Wet
	Orange 2GL	1	60	B	4-5 6 6-7	3-4 3 4	3 2-3 3-4	4 3-4 5	3-4 3 4	3-4 3 4	4	-	3-4 4	4-5 3-4	3 2
	Orange 3R	1	35	B	4-5 5-6 6	3-4 3 4	3-4 3 4-5	4 4 5	3-4 3 4-5	3-4 3 4-5	4-5	+	3-4 4	4-5 3-4	2-3 2-3
	Scarlet 4BS	!	15	C	2 2-3 3	3 2-3 3-4	3-4 3-4 4	4-5 4 5	4 3 3-4	4 3-4 4-5	4	-	4 4	4 3-4	4-5 4
	Scarlet 4BN	1	30	B	2 2-3 3	3 2-3 3-4	2-3 3 4	3-4 4 4-5	2-3 3 4	2-3 3 4	4	-	4 5	4-5 4	2-3 2-3
	Scarlet BNL	1	70	B	3-4 4-5 5	4 2-3 3	4 3 4-5	4 4 5	4 3 4	4 3 4	4	+	4 4	3-4 2-3	3 2-3
	Red Scarlet F2G	1	30	B	2 2-3 3	4 3 3-4	4 2-3 4	4-5 3-4 4-5	3-4 4 4	3-4 3 4	4	*	4 4	3-4 2-3	* *
	Red F3B	1	35	B	3-4 5 5	4 3 4	3 3 4-5	4 3-4 4-5	3 3 4-5	4 4 4-5	4-5	-	3-4 4	3-4 2-3	3-4 3-4
	Red 8BL	1	25	A	3-4 4-5 4-5	2 1-2 2-3	2 2 4-5	3 3 4-5	3 1-2 2-3	3 1-2 2-3	4	-	4 5	4-5 3	4 3-4
	Red BWS	1	100	B	3 4-5 5	4 2-3 3	4 2-3 3	4-5 3-4 4-5	3-4 3 3	4 3 3	4	-	3-4 4	3-4 2-3	2-3 2-3
	Red 6BL	1	20	B	5 6 6-7	3-4 3 4	3 3 4-5	4 4 5	4 3 4-5	3-4 3 4-5	4	-	3-4 4	4-5 3	3-4 3-4
	Pink FR	1	100	B	1 1-2 2	4 3-4 3	3-4 3 3-4	4-5 4 4-5	4 3 3-4	4 3 3-4	4	+	4-5 5	4 3-4	* *
	Pink B	1	40	B	1-2 2-3 3-4	4 3-4 3-4	3 2 2	4-5 4 4	4 3-4 4	4 3-4 4	4	+/-	4 3-4	4 3-4	* *
	Rubine BL	1	60	B	5 6 6-7	4 3 4-5	4 3-4 4	4-5 4 4-5	4 2-3 3	4 2-3 3	4	-	4 5	4-5 3-4	2 2
	Violet 2B	1	30	A	3-4 5 5-6	3 2-3 3-4	3 2 4-5	4 3 5	3 2 3	3 2 3	4	-	2 4	4-5 3-4	4 4
	Violet 5B	1	10	C	5 6 6-7	3 2-3 3-4	3 2-3 4	3-4 3-4 4-5	2-3 3 4-5	2-3 3 4-5	4	-	3-4 4	4-5 3	3 2-3

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					1/6 1/1 2/1	F CO WO	F CO WO	F CO WO	F CO WO	F CO WO				F CO WO	Dry Wet
Turquoise GL	1,5	50	B	4-5	2-3	2-3	4	2-3	2-3	2-3	4	-	3-4 5	4-5	2-3
				5-6	3	3-4	4-5	2-3	2-3	3-4				3-4	2-3
				6	3-4	4-5	5	3-4	3-4						
Turquoise FBL	1,5	30	A	5	2-3	2-3	4	3-4	3-4	3-4	4	-	3-4 5	4-5	2-3
				6	3	3-4	4-5	2-3	2-3	3-4				3-4	2-3
				6-7	3-4	4	4-5	3	3						
Blue Royal S	1,5	45	B	4-5	4	3-4	4	4	4	4	4-5	-	4 4-5	4-5	1-2
				5-6	4	2-3	3-4	4	4	4				3-4	1-2
				6	4-5	4	5	4-5	4-5						
Blue RLE	1	60	B	4-5	4	4	4	4	4	4	5	-	4 4-5	5	3-4
				5-6	3	3	4	4	4	4				3	3
				6	4	5	5	4-5	4-5						
Blue GL	1	30	A	5	4	3	3-4	4	4	4	4	*	3-4 4-5	4	1
				5	4-5	2	3	4-5	4-5	3-4				1	
				5-6	5	3	5	4-5	4-5						
Blue FGL	1	20	B	4	4	3	3-4	3	3-4	3-4	4-5	+	4 5	4	4-5
				5-6	2-3	2-3	3	2	2	3-4				4-5	
				6	3	4-5	5	3	3						
Blue 4GL	1	30	B	4	4	3-4	4	4	4	4	4	-	4 4	4	4-5
				5	3	2-3	3-4	3	3	3				3	4-5
				5-6	4	4-5	5	4-5	4-5						
Blue 4BL	1	70	B	3-4	4-5	3-4	4-5	4	4	4	4-5	-	4-5 4-5	4	3
				5	3-3-4	3	4	3	3	3-4				3	
				6	4	4	5	3-4	3-4						
Blue BRR	1	20	B	4	3-4	3	4	3-4	3-4	3-4	4	-	3-4 3-4	4-5	4-5
				5-6	2-3	2-3	3-4	3	3-4	3-4				3-4	4-5
				6	3-4	4-5	4-5	4-5	4-5						
Blue BHN	1,5	50	B	3-4	3-4	3	4-5	3-4	3-4	3-4	5	-	4-5 5	4	2-3
				4	2-3	2	3	3	3	3-4				2-3	
				5	3-4	4-5	5	4	4						
Green 5G	1,5	20	B	5	4	3-4	4-5	4	4	4	4-5	+	3-4 4-5	4-5	2
				6	3-4	3	4	3-4	3-4	3-4				3-4	2
				6-7	4	4-5	5	4	4						
Green BL	1,5	20	B	4	4-5	4	4-5	4-5	4-5	4-5	4	+	2 4-5	4-5	3
				4-5	3	3-4	4	3	2-3	3				2-3	
				5	4	4-5	4-5	4-5	4-5						
Green BNB New	1,5	10	B	2	3	2-3	3-4	4-5	4	4	4	-	4 5	4	4
				2-3	2	3	4	3-4	3	3-4				3-4	
				3	3	4	4-5	3	3						
Brown GTL	1	70	B	3	4-5	3-4	4-5	4	4	4	4-5	-	* *	4	*
				3-4	4	3	4	3-4	3-4	3				3	
				4	4	5	5	4	4						
Brown 2GL	1,5	35	A	5	4-5	4	4	4	4	4	4	+	3 4-5	4	3-4
				6	3	2-3	3-4	3	3	3				3	
				6	4-5	4-5	4-5	4	4						



CROMASOL	% Dyeing	Solubility (g/l a 80 °C)	Classification S.D.C	Light			Water			Washing 40°C			Washing after treated			Perspiration Acid			Perspiration Alkaline			Dry Cleaning	Coverage Dead Cotton	Hot Pressing Imm-After 4 h	Rubbing		Dischargeability	
				1/6	1/1	2/1	F	CO	WO	F	CO	WO	F	CO	WO	F	CO	WO	F	CO	WO				Dry	Wet		Neutral
Brown RL	1,5	35	B	6	4	3-4	4	3	3	3	3	4	3	3	4	3	3	4	3	3	4	-	3-4	*	*			
				6-7	3	3	4	3-4	4	4	3-4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*		
				7	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	
Brown BL	1,5	30	B	5	4	3-4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	+	3-4	*	2			
				6	3-4	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	*	2	
				6-7	4-5	5	5	4-5	4	4	4-5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	2
Grey GLL	1	30	B	5	4	3-4	4	4-5	4-5	4-5	4	4	4	4	4	4	4	4	4	4	4	-	4	*	4			
				6	2	2-3	4	2-3	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	*	4
				6-7	3-4	4	4-5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*
Grey NGL	1	40	B	5-6	4	4	4-5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	-	4-5	*	4			
				6	3	3-4	4-5	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	*	3-4	
				6-7	4-5	4-5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	3-4
Grey 4GL	1	20	B	4-5	3-4	4	4-5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	+	3-4	*	3			
				5-6	4	3-4	4-5	3-4	4	4	3-4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	2-3	
				6	4-5	4-5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	2-3
Black OBV	3	20	B	2-3	4	3-4	4	3-4	3	3	4	3	3	4	3	3	4	3	3	4	-	4	*	4-5				
				3-4	2-3	2	3	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	*	4-5	
				4	4	4-5	4-5	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	*	4-5	
Black G	3	20	B	2-3	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	+	3	*	3-4			
				3-4	4-5	3-4	4	4	4-5	4-5	4	4	4-5	4-5	4-5	4	4	4-5	4-5	4	4	4-5	4	4	4	*	2-3	
				4-5	4-5	4-5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	*	2-3
Black VSF	2,5	20	B	2	4	4	4-5	4	4	4	4-5	4	4	4	4	4	4-5	4	4	4	4-5	-	4-5	*	4-5			
				3-4	4-5	2-3	3-4	4-5	4	4	4-5	4-5	4	4	4	4	4	4	4-5	4	4	4-5	4	4	4	*	4	
				4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	*	4

### Standard Dyeing Method

Prepare the bath at 30-40°C with:

- X% Cromasol dyes dissolving in boiling water.
- Salt (5-10% for clear shades ,20-40% for medium or dark shades).  
Put 25% of the salt at the beginning of the dyeing, then the remaining 75% gradually during the raise of the temperature.
- 0,5-1,5 g/l Imbicrom HT

Rise the temperature at 100°C with gradient 1-1,5°C min. After 30-45 min. cool at 70-80°C, maintain the temperature for 10 min. Cool, drain and wash with cold water.

In the case of medium or dark shades, for obtaining a good humid fastness we recommend to prepare a new bath at 25-35°C for 15-20 min. with 1-3% Henkfix NC and 0,5-1 g/l Acetic Acid (pH=6)

**Coloranti per l'industria tessile.**  
***Dyes for the textile industry***

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