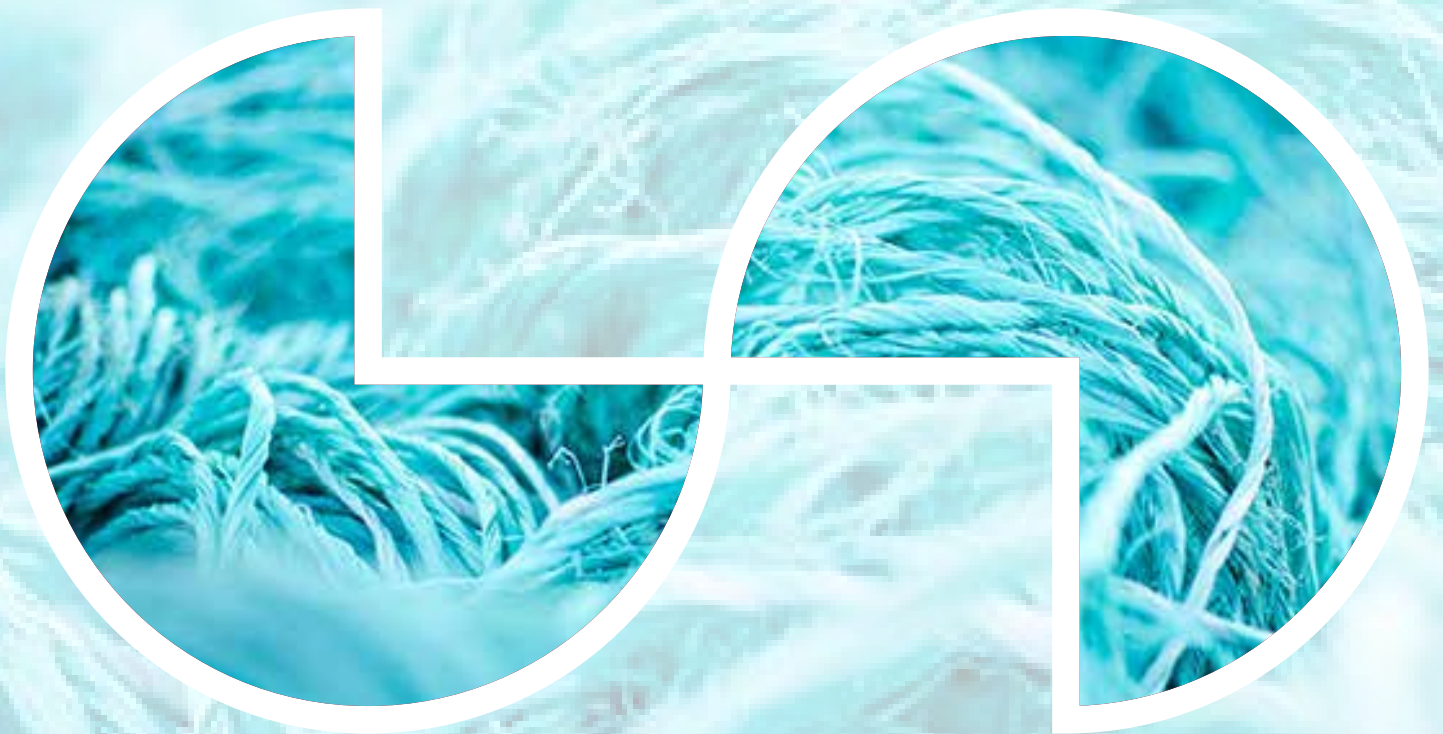




chimicatessile

cromatos group



COLORANTI PER FIBRE CELLULOSICHE
CELLULOSIC DYES

CROMAVAT

COLORANTI CROMAVAT

I coloranti **Cromavat** sono coloranti al Tino per fibre cellulosiche dove sono richieste le massime solidità. Sono coloranti insolubili in acqua che si trasformano in solubili per riduzione con Soda Caustica e Idrosolfito.

A fine tintura per ossidazione ritornano alla forma insolubile di partenza.

E' importante utilizzare in tintura acqua addolcita per evitare la precipitazione del colorante causato dai sali di calcio e di utilizzare in tintura Sequestrant H-CM A fine tintura scaricare sciacquare molto bene, ossidare con acqua ossigenata e infine saponare a 100°c.

Dopo la saponatura sciacquare a caldo e a freddo. I coloranti Cromavat vengono classificati in tre categorie:

IN: Temperatura ottimale di tintura 50-60°c con alte quantità di Soda Caustica

IW: Temperatura ottimale di tintura 45-50°c con Soda caustica e Solfato di sodio

IN sp: Temperatura ottimale di tintura 75-80°c metodo speciale per alcuni tipi di coloranti.

METODO IN



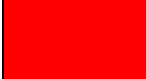










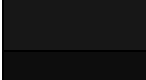

Prodotti Chimici	Tono	Rapporto bagno			
		1:4	1:10	1:20	1:30
Soda Caustica 36 Bè cc/l	Chiaro	27-33	16-22	12-13	11-12
	Medio	33-44	22-27	13-16	12-15
	Scuro	44-54	27-33	16-19	15-18
Idrosolfito gr/l	Chiaro	6-9	3-5	2-2,5	1,8-2
	Medio	9-12	5-7	2,5-3,5	2-3
	Scuro	12-17	7-9	3,5-5	3-4,5
Temperatura di Tintura	50-60°c				

METODO IW

Prodotti Chimici	Tono	Rapporto bagno			
		1:4	1:10	1:20	1:30
Soda Caustica 36 Bè cc/l	Chiaro	16-19	9-12	6-7	5-6
	Medio	19-28	12-15	7-9	6-8
	Scuro	28-33	15-19	9-12	8-11
Idrosolfito gr/l	Chiaro	6-8	2,5-4	1,8-2	1,8-2
	Medio	8-11	4-6	2-3	2-2,5
	Scuro	11-13	6-7	3-4,5	2,5-4
Solfato di Sodio cc/l	Chiaro	5-10	5-10	5-10	5-10
	Medio	10-15	10-15	10-15	10-15
	Scuro	15-20	15-20	15-20	15-20
Temperatura di Tintura	50-60°c				

METODO IN special

Prodotti Chimici	Tono	Rapporto bagno			
		1:4	1:10	1:20	1:30
Soda Caustica 36 Bè cc/l	Chiaro	44-55	28-33	22-28	16-22
	Medio	55-69	33-41	28-36	22-30
	Scuro	69-83	41-50	36-41	30-36
Idrosolfito gr/l	Chiaro	7-10	6-8	5-6	5-6
	Medio	10-15	8-10	6-7,5	6,7
	Scuro	15-18	10-12	7,5-9	7-9
Temperatura di Tintura	75-80°c				

CROMAVAT		% Dyeing	Main Method	Alternative Method	Max Affinity	Max Dyeing Temperature	Light	Washing 95°C	Mercerizing	Hypochlorite Bleaching	Peroxidoe Bleaching	Soda Bleaching	Dry Cleaning	Hot Pressing Immediately-After 4 h
							1/12 1/1 2/1	F CO	F CO	F CO	F CO	F CO	F -	
	Yellow 2G	2	IW	IN	50	90	6 6-7 6-7	4 4-5	4-5 5	4-5 5	4-5 5	4-5 5	4-5	5 5
	Yellow 3RT	2	IW	IN	50	70	6 6-7 7	4-5 4-5	5 5	4	4-5 5	4 4-5	4-5	3 5
	Red FFB	2	IW	-	45	85	5 6 6-7	4 4-5	4 5	4-5	4-5 5	4-5 4-5	4-5	4 4-5
	Rubine R	2	IN	IW	60	90	4 6 6-7	4-5 4-5	4-5 5	4-5	4-5 5	4-5 5	4-5	4 5
	Violet 3B	2	IN	-	60	90	5 5-6 6	4-5 4-5	3 5	4-5	4-5 5	3 5	4-5	3 3-4
	Blue RS	2	IN sp	-	60	80	6-7 7 7	4-5 4-5	3-4 5	2	4-5 5	3-4 5	4-5	4 5
	Blue CLF	2	IW	IN	50	90	6 6 6	4-5 4-5	4 5	4-5	4-5 5	4-5 5	4-5	4-5 5
	Dark Blue BOA	2	IN	-	60	90	5 6-7 7	4-5 4-5	4 5	4	4-5 4-5	3 5	4	3-4 4
	Green FFB	2	IN	IW	50	90	5-6 6-7 7	4 4-5	4-5 5	4-5	4-5 5	4 4-5	4-5	3-4 5
	Olive R	2	IW	-	50	80	6 7 7	4 4-5	3-4 5	4	4-5 5	4-5 5	4-5	2 3-4
	Olive T	2	IN	-	60	80	6 7 7	4 4-5	4-5 5	4	4-5 5	3-4 5	4	4-5 5
	Brown R	2	IW	-	50	90	6-7 7 7	5 4-5	4-5 5	4-5	4 5	4-5 4-5	4-5	4-5 4-5
	Brown BR	2	IW	-	50	90	6-7 7 7	4-5 4-5	4 5	4	4 5	3-4 3-4	4-5	4-5 4-5
	Black R	8	IN sp	-	80	90	5-6 6 6-7	4-5 4	4-5 5	4	4-5 5	4-5 4-5	4-5	4 4
	Black BB	8	IN sp	-	80	90	- 7 8	4-5 4	4-5 5	4-5	4-5 5	3-4 4-5	4-5	4-5 4-5

Metodo di tintura standard utilizzato

Preparare il bagno a 20/30°C con:

- Imbicrom H-BA 1-2 gr/l
- Sequestrant H-CM 2-3 gr/l

Mantenere per 5 minuti. Aggiungere il colorante e mantenere 10 minuti, poi cominciare l'aggiunta di Soda caustica in 10-15 minuti e aggiungere poi l'Idrosolfito in 10-15 minuti e, eventualmente, il sale. Salire alla temperatura necessaria e mantenere 30-45 minuti, a seconda del tono. A fine tintura scaricare per troppo pieno, sciacquare molto bene e ossidare a 50-60°C per 10-15 minuti con 2-3 cc/l Acqua Ossigenata 130 vol. Scaricare e saponare a 100°C con 2 g/l di Henksoap ASR. Scaricare, sciacquare a caldo e freddo.

CROMAVAT DYES

Cromavat dyes are Vat dyes for cellulosic fibers where high fastness are required. They are water insoluble and they change in soluble form by reduction with Caustic Soda and sodium hydrosulphite. At the end of the oxidation dyeing process, they return to their original insoluble form. It is important to use soft water in the dyeing process in order to avoid the precipitation of the dye due to the calcium salt and add **Sequestrant H-CM**. At the end of dyeing drain, wash very well and oxidate with Hydrogen Peroxide, then soap at 100 °c. After the soaping process, wash in hot and cold water.

Cromavat dyes are classified in three categories:

IN: Optimal dyeing temperature 50-60 °c with a high quantity of Caustic soda

IW: Optimal dyeing temperature 45-50 °c with Caustic Soda and calcinated glauber salt

IN special: Optimal dyeing temperature 75-80 °c special method used just for some kind of dye.

IN METHOD



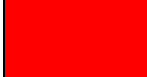












Chemicals	Shade	Liquor Ratio			
		1:4	1:10	1:20	1:30
Caustic Soda 36 Bè cc/l	Pale	27-33	16-22	12-13	11-12
	Medium	33-44	22-27	13-16	12-15
	Deep	44-54	27-33	16-19	15-18
Sodium Hydrosulphite gr/l	Pale	6-9	3-5	2-2,5	1,8-2
	Medium	9-12	5-7	2,5-3,5	2-3
	Deep	12-17	7-9	3,5-5	3-4,5
Dyeing Temperature	50-60 °c				

IW METHOD

Chemicals	Shade	Liquor Ratio			
		1:4	1:10	1:20	1:30
Caustic Soda 36 Bè cc/l	Pale	16-19	9-12	6-7	5-6
	Medium	19-28	12-15	7-9	6-8
	Deep	28-33	15-19	9-12	8-11
Sodium Hydrosulphite gr/l	Pale	6-8	2,5-4	1,8-2	1,8-2
	Medium	8-11	4-6	2-3	2-2,5
	Deep	11-13	6-7	3-4,5	2,5-4
Glauber salt calcinated gr/l	Pale	5-10	5-10	5-10	5-10
	Medium	10-15	10-15	10-15	10-15
	Deep	15-20	15-20	15-20	15-20
Dyeing Temperature	50-60 °c				

METODO IN special

Chemicals	Shade	Liquor Ratio			
		1:4	1:10	1:20	1:30
Caustic Soda 36 Bè cc/l	Pale	44-55	28-33	22-28	16-22
	Medium	55-69	33-41	28-36	22-30
	Deep	69-83	41-50	36-41	30-36
Sodium Hydrosulphite gr/l	Pale	7-10	6-8	5-6	5-6
	Medium	10-15	8-10	6-7,5	6-7
	Deep	15-18	10-12	7,5-9	7-9
Dyeing Temperature	75-80 °c				

CROMAVAT		% Dyeing	Main Method	Alternative Method	Max Affinity	Max Dyeing Temperature	Light	Washing 95°C	Mercerizing	Hypochlorite Bleaching	Peroxidoe Bleaching	Soda Bleaching	Dry Cleaning	Hot Pressing Immediately-After 4 h
							1/12 1/1 2/1	F CO	F CO	F CO	F CO	F CO	F -	
	Yellow 2G	2	IW	IN	50	90	6 6-7 6-7	4 4-5	4-5 5	4-5 5	4-5 5	4-5 5	4-5	5 5
	Yellow 3RT	2	IW	IN	50	70	6 6-7 7	4-5 4-5	5 5	4	4-5 5	4 4-5	4-5	3 5
	Red FFB	2	IW	-	45	85	5 6 6-7	4 4-5	4 5	4-5	4-5 5	4-5 4-5	4-5	4 4-5
	Rubine R	2	IN	IW	60	90	4 6 6-7	4-5 4-5	4-5 5	4-5	4-5 5	4-5 5	4-5	4 5
	Violet 3B	2	IN	-	60	90	5 5-6 6	4-5 4-5	3 5	4-5	4-5 5	3 5	4-5	3 3-4
	Blue RS	2	IN sp	-	60	80	6-7 7 7	4-5 4-5	3-4 5	2	4-5 5	3-4 5	4-5	4 5
	Blue CLF	2	IW	IN	50	90	6 6 6	4-5 4-5	4 5	4-5	4-5 5	4-5 5	4-5	4-5 5
	Dark Blue BOA	2	IN	-	60	90	5 6-7 7	4-5 4-5	4 5	4	4-5 4-5	3 5	4	3-4 4
	Green FFB	2	IN	IW	50	90	5-6 6-7 7	4 4-5	4-5 5	4-5	4-5 5	4 4-5	4-5	3-4 5
	Olive R	2	IW	-	50	80	6 7 7	4 4-5	3-4 5	4	4-5 5	4-5 5	4-5	2 3-4
	Olive T	2	IN	-	60	80	6 7 7	4 4-5	4-5 5	4	4-5 5	3-4 5	4	4-5 5
	Brown R	2	IW	-	50	90	6-7 7 7	5 4-5	4-5 5	4-5	4 5	4-5 4-5	4-5	4-5 4-5
	Brown BR	2	IW	-	50	90	6-7 7 7	4-5 4-5	4 5	4	4 5	3-4 3-4	4-5	4-5 4-5
	Black R	8	IN sp	-	80	90	5-6 6 6-7	4-5 4	4-5 5	4	4-5 5	4-5 4-5	4-5	4 4
	Black BB	8	IN sp	-	80	90	- 7 8	4-5 4	4-5 5	4-5	4-5 5	3-4 4-5	4-5	4-5 4-5

Dyeing Method

Prepare the bath a 20/30°C with:

Imbicrom H-BA: 1-2 gr/l

Sequestrant H-CM: 2-3 gr/l

Maintain for 5 min., then add the dyes and maintain 10 min. more. Add Caustic Soda in 10-15 min., then add Sodium Hydrosulphite in 10-15 min. and eventually the salt. Rise at the needed temperature and maintain 30-45 min. depending on the shade.

At the end of the dyeing process, drain for overflow, wash very well and oxidize at 50-60°C for 10-15 min with 2-3 cc/l Hydrogen Peroxide 130 vol.

Drain and soap at 100°C with 2 g/l of Henksoap ASR, then drain again and wash with hot and cold water.

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

Chimica Tessile S.r.l.

Via Guimaraes, 5 | 59100 Prato | Italy
T +39 0574 62 32 82 | F +39 0574 62 32 84
info@chimicatessile.it | www.chimicatessile.it



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