

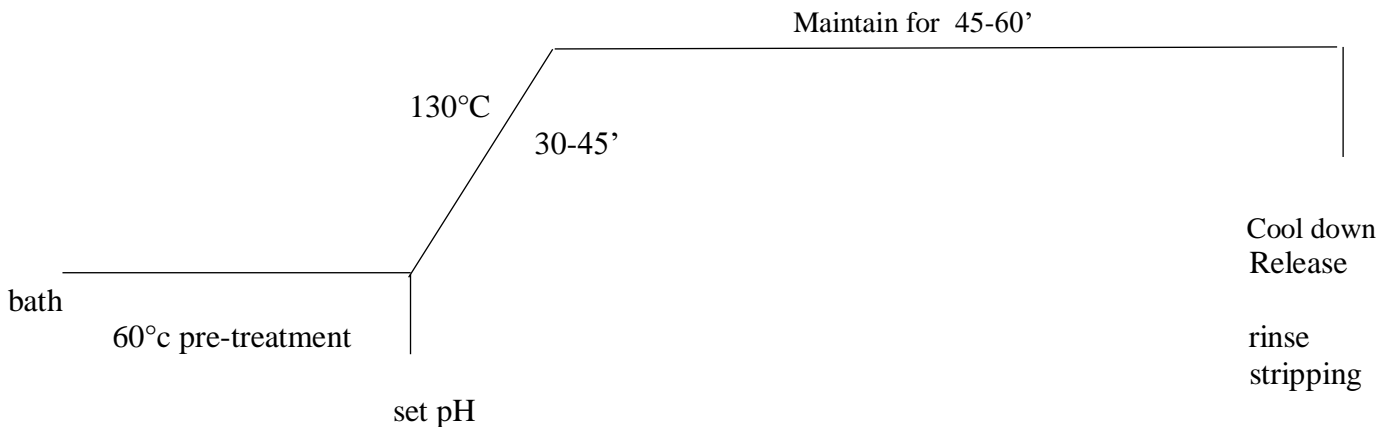


DISPERSE DYES

DISPERSE DYES FOR POLYESTER .

EXHAUSTION DYEING METHOD:

- Treat the material at 60°C for 5' with:
- 3% Gamol Plus
- 1-3% Gammopal DF
- 2 g/l Gammacid PES
- Add dye dispersion and set pH at 4.5-5
- Bring the temperature at 130°C for 45-60'.
- Cool down and release the dyebath.wash once or twice.
- Stripping: for 20' at 80°C with:
- 2 g/l Gamol Plus
- 6 cc/l Caustic soda 30%
- 2 g/l Riducente FG
- Release the bath;
- wash and neutralize;
- wash.



THERMOSOL METHOD

- Impregnate a ready to dye fabric with:
- 3g/l Gamol Plus
- X g/l disperse dye, dispersed into water.
- 12 g/l Gamma AST
- And pass into a foulard. (dyebath absorption 60-75%)
- Pass through I.R.-Hot Flou with a residual absorption no more than 35%.
- Dry at 90-120°C then thermofix at 200-215°C.
- Cool down and make a stripping if required.

ACETATE DYEING

- Add X% selected disperse dye into dyebath
- Add 1% acetic acid 80% (pH; 5,5)
- Add the material and circulate
- Raise the temperature to 85°C for 45-60'.
- Release dyebath and wash twice.

Light fastness ISO 105 B02 (blue scale up to grade 8).Dischargeability: Zn sulfoxylate formaldehyde (5=fully dischargeability)

Chlorinated water (20ppm)-fading; Light fastness ISO 105 B02 (blue scale up to grade 8): when 3 values reported:2/1, 1/1, 1/12 of the shade; when 2 values are reported: 1/1, 1/10 of the shade. Washing,water ,Perspiration& sea water: when 1 value reported: staining on PA; when 3 values: change in shade/staining on PA/staining on PA.

Notes: for each dye there are two values of dyeing percentages. The one at the top is a reference for the indicated fastness values, the one at the bottom refers to the attached dyed fabric.

the reported values are indicative and do not constitute a guarantee.

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Giallo Lum. G	4	5	5	4-5	4-5
			+	3-5	184	4-5	
	1	Giallo 8GL	5	4-5	4-5	4-5	4-5
			+	3-7	82		
	1	Giallo 4GN	6- 7	5	5	5	3-4
			+	3-5,5	211	5	
	1	Giallo 3GL	6- 7	5	5	4-5	2-3
			+	3-7	54	4-5	

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Giallo C5G 200%	6- 7	5	5	4-5	4
			+	3-7	119		
	1	GIALLO 5GL	7-8	5	5	5	5
			+	2-6,5	--	4-5	
	1	Giallo 6GL 200%	7	5	5	5	4-5
			+		114		
	1	Giallo 7GL 200%	6- 7		4-5		
			+	3-5,5	126		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	GIALLO CC	7	5	5	5	5
			+	2-6,5	--		
	1	Giallo ORO 2RLS	6- 7	5	5	5	4-5
			-	3-9	93		
	1	VIOLETTO 3B	6	5	5	4-5	3-4
			-	2-9	11	5	

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Giallo 3G	6- 7	5	5	4	3
			-	3-9	64		
	1	Arancio 2RL	5- 6	5	5	4	2-3
			+	3-9	25		
	1	Arancio 2GS	6	5	5	5	4-5
			+	3-7	44		
	1	Arancio CRN 150%	5- 6		4-5	4-5	2-3
			+/-	3-9	31		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Bruno Giallo 3GL	6-7	5	5	5	4
			+	3-7	29	5	
	1	Bruno Giallo GLS 150%	7	4-5	4-5	5	4
			+	3-7	30		
	1	Bruno 3REL	5-6	5	5	5	5
			-	3-9	118		
	1	Bruno 3R	5	5	4-5	5	4-5
			-	3-9	1		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Scarlatto 5G	6	5	4-5	4-5	4
			-	3-7	50		
	1	Scarlatto RR 150%	5-6	5	5	5	4-5
			+	3-7	54		
	1	Scarlatto GS 200%	5-6	5	4-5	5	4-5
			-	3-9	153		
	1	Scarlatto 2BLS	5-6		4-5	4-5	4-5
					74		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Rosso Lum. G	4-5	4-5	4-5	4-5	4-5
			+	5-6	277	4-5	
	1	Rosso FL 150%	6-7	5	4-5	5	2-3
			-	3-9	65		
	1	Rosso BS 200%	5-6	5	5	5	4
			+/-	3-9	152		
	1	Rosso 3BL 200%	6-7	4	4	5	3-4
			-	3-5,5	82		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	2	Rosso brill. SF	6		5		
			+	3-7	mix		
	1	Rosso 2C	5-6	5	5	5	4
					343		
	1	Rosso CBN-SF	6		5		
			+	3-7	356		
	1	Rosso C- 4G 150%	5-6	5	5	5	4-5
					278		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Rosso R/N	6-7	5	5	5	4-5
			-	3-7	mix		
	1	Rosso 2BL 200%	6-7	5	4-5	4	2-3
			-	3-9	60	5	
	1	Rosso 2BS 200%	6-7	5	5	5	4-5
			-	3-9	92		
	1	Rosso 2GL 150%	6-7	5	5	5	4-5
			+	3-7	167		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Rosso RLS 150%	6-7	5	4-5	5	4-5
			-	3-7	177		
	1	Rosso S 2B NEW	6-7	5	5	5	4-5
			+	3-7	mix		
	2	Rosa brill. SR	5		4-5	3-4	3-4
			+/-	4-6	362		
	2	Rosa lumin. 5B	5		4-5	4	3-4
			+/-	3-8	364		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	2	Violetto lumin. 3R-T	5		4	4-5	4
			-	3-8	mix		
	1	Rubino GL 200%	6-7	5	5	4	3
			+	3-7	73		
	1	Rubino 2BLS	6-7	5	5	5	4-5
			+	3-7	33		
	1	Rubino SBSF 200%	5-6	5	5	5	4-5
			-	5-9	179		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Verde C6B	4-5	5	4	4-5	4-5
			-	3-6	9		
	1	Blu BGLS 200%	6-7	5	4-5	5	4-5
			+	3-9	73		
	1	Blu FBL 150%	6-7	5	4-5	4-5	2-3
			-	3-9	56	5	
	1	Blu SER 200%	4		4-5	4-5	4-5
					354		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Blu 2GL 200%	7	5	5	4-5	3-4
			+	3-9	60	5	
	1	Blu BGF 200%	7-8	5	5	4	3
			+	3,5-8,5	87	5	
	1	Cianina B	7-8	5	5	5	5
			+	3-5,5	mix		
	1	Blu 2RS	5-6	4-5	4-5	5	4
			+	3-9	183		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	2	BLU ROYAL CC	5-6	5	5	5	4
			-	3-7	mix		
	1	Blu 3RT	5-6	5	5	5	4
			-	3-7	148		
	1	Blu FBL- SD	5-6	4-5	4-5	4-5	3-4
			-	3-5,5	Mix		
	1	Blu marino GRL 200%	5-6	5	5	5	4-5
			+	3-5,5	79		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	1	Blu marino RDN	5-6	4	4	4	3
			+	3-5,5	Mix		
	2	Blu marino C2G 150%	6	5	5	5	5
			+	3-9	Mix		
	3	Nero ESF 300%	5-6	4-5	4-5	4-5	3-4
			+	3-9	Mix	4-5	
	3	Nero RDSN 200%	5-6	4-5	4-5	4-5	3-4
			-	3-9	Mix		

DISPERSE DYES	%	name	xenotest	water	washing 60°C	Dry heat for 30" at 180°C	
						Color change	Staining on PES
			thermosol	pH range	Cl	Hypochlorite (2g/l) change of shade	
	3	Nero trevira RD-3G	5-6	4-5	4-5	4-5	3-4
			-	3-5,5	Mix		
	3	NERO CC-R	6-7	5	5	4-5	3-4
			+	3-9	Mix		
	3	NERO RLW	6	5	5	5	4-5
			+	3-7	Mix		
	3	NERO CVS-E NEW	6	5	5	5	4-5
			+	3-9	Mix		

DISPERSE XF	%	name	xenotest	Sublimation 30" 180°C	Sublimation 30" 200°C	Washing 60°C	Washing 95°C
			Alkaline perspiratio	Cl		Hypochlorite (2g/l) change of shade	
	1	GIALLO XF	6-7 7	4-5	3-4	5 5 5	4-5 5 4-5
			5 5 5	126			
	1	BRUNO GIALLO XF	6 6-7	4-5	2-3	5 5 5	4-5 4-5 5
			5 5 5	mix			
	1	ROSSO BRILL. XF	5 6-7	5	3-4	5 5 5	5 5 4-5
			5 5 5	mix			
	1	RUBINO XF	5-6 6-7	4-5	3	5 5 5	4-5 4-5 5
			5 5 5	mix			

DISPERSE XF	%	name	xenotest	Sublimation 30" 180°C	Sublimation 30" 200°C	Washing 60°C	Washing 95°C
			Alkaline perspiratio	Cl		Hypochlorite (2g/l) change of shade	
	1	TURCHESE XF	4 4-5			4-5 4-5 4-5	4-5 4-5 4-5
			4-5 4-5 4-5	mix			
	1	BLU XF	6 6	4-5	3-4	5 5 5	4-5 5 5
			5 5 5	mix			
	2	BLU MARINO XF	5-6 6-7	4-5	2-3	5 4-5 4-5	4-5 4-5 4
			5 5 5	mix			
	5	NERO XF	6 6-7	4-5	2	5 5 5	4-5 4 4
			5 5 5	mix			

DISPERSE FOR ACETATE	%	nome	xenotest	Water	Washing 40°C	Alkaline perspiration	Rubbing	
							dry	wet
			Gas fading	Discharge ability	Cl	Hypochlorite (2g/l) change of shade		
	1	GIALLO N- FG	6 5-6	4	4	3-4	5	4-5
			4-5	parzia le	mix	5		
	0,6	ARANCIO 3RL	6-7		4	4-5		
			5		80			
	1	VIOLETTO 3R	6-7		3-4	4-5		
			5		1			
	2,4	ROSA RFL 150%	6		3	3		
			3		59			

DISPERSE FOR ACETATE	%	nome	xenotest	Water	Washing 40°C	Alkaline perspiration	Rubbing	
							dry	U
			Gas fading	Discharge ability	Cl	Hypochlorite (2g/l) change of shade		
	1	ROSA REL 200%	7	5	5	5	4-5	4-5
						91		
	1	CREMISI SFG	7		5	5		
				4-5		mix		
	1, 2 5	ROSSO GSF	5-6 5	3-4	3-4	3	4-5	4
				4	parzia le	137		
	1	ROSSO NFR	5	3-4	3-4	3-4		
				4-5	NO	mix		

DISPERSE FOR ACETATE	%	nome	xenotest	Water	Washing 40°C	Alkaline perspiration	Rubbing	
							dry	U
			Gas fading	Discharge ability	Cl	Hypochlorite (2g/l) change of shade		
	1	BLU NRB	5	4	4	3-4	4-5	4-5
			2-3	NO	mix			
	2	BLU 3R NEW	5		3-4	3		
			1		mix			
	1,5	BLU MARINO N-BF(NGF)	6 5	3-4	3-4	3	3-4	3-4
			3	NO	mix			
	5	NERO N-BFG	5	3	3-4	2-3	3	3
			4	NO.	Mix			

DISPERSE FOR AUTOMOTIVE	%	nome	xenotest	160°C heating contact	180°C heating contact	Alkaline perspiration	pH range
			rubbing		Cl		
			dry	wet			
		GIALLO SBRA				Hypochlorite (2g/l) change of shade	
	2						
		GIALLO LS-A	7	4-5	3-4	4-5	3-7
	2		4-5	5	42		
		GIALLO R-LSA	7	5	4	5	3-9
	2		5	5	Mix		
		BRUNO GIALLO GLS 150%	7	5	4	4-5	3-7
	2		4-5	5	30		

DISPERSE FOR AUTOMOTIVE	%	nome	xenotest	160°C heating contact	180°C heating contact	Alkaline perspiration	pH range	
			rubbing		Cl			Hypochlorite (2g/l) change of shade
			dry	wet				
	2	ROSSO BRILL- BL-A	7-6	4-5	3-4	4-5	3-7 3-9	
			4-5	5	Mix			
	2	ROSSO BRILL. 2BS-A 200%	7-6	5	4-5	5	3-7 3-9	
			4-5	5	92			
	1	ROSSO 2GF- A 200%	7	5	4	5	3-9	
			5	5	86			
	2	ROSSO RLS- A	7	5	4	4-5	3-7	
			4-5	5	Mix			

DISPERSE FOR AUTOMOTIVE	%	nome	xenotest	160°C heating contact	180°C heating contact	Alkaline perspiration	pH range
			rubbing		Cl		
			dry	wet			
						Hypochlorite (2g/l) change of shade	
	1	Rubino SBSF					
	1	VIOLETTO BL 150%	6-7	5	4-5	5	3-9
			5	5	57		
	2	BLU BLF-A	7	5	3-4	5	3-7 3-9
			5	5	77		
	2	BLU BRILL. 2GL-A	7	4-5	3-4	5	3-9
			5	5	60		

DISPERSE FOR AUTOMOTIVE	%	nome	xenotest	160°C heating contact	180°C heating contact	Alkaline perspiration	pH range
			rubbing		Cl		
			dry	wet			Hypochlorite (2g/l) change of shade
	1,5	BLU MARINO LH-A	7	5	4-5	5	3-9
			4-5	4	mix		
	6	NERO BL-A	7	5	4-5	5	3-9
			4	4-5	mix		
	6	NERO SL-A	7	4-5	4	5	3-9
			4	4-5	mix		
	1	Nero FW					



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