











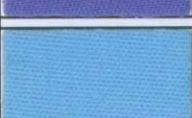








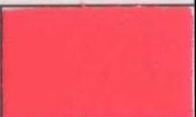


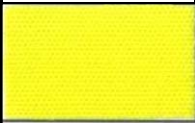

























Tecocet	0.5%	2%	C.I. Disperse	Xenonlicht Xenon lamp 1/1 RTT 1/1 SD	Trockenhitze Dry heat				Wäsche Washing 60 °C				Lösungs- mittel Solvent	Carrier- eignung Suitability for carrier dyeing	Streifigkeits- ausgleich Coverage for barriness
					180 °C		210 °C		N	PES	CO	PA			
					N	PES	N	PES							
Brillantgelb S-6GL 200% Brilliant Yellow S-6GL 200%			Y 114	7	5	4	5	3-4	5	5	5	5	5		
Gelbbraun S-GL 150% Yellow Brown S-GL 150%			O 30	7	5	4-5	4-5	3-4	5	5	5	5	5		
Scharlach S-BFL 150% Scarlet S-BFL 150%			R 74.1	6	5	4-5	4-5	3-4	5	5	5	5	5		
Rubin S-2GFL 150% Rubine S-2GFL 150%			R 167.1	6 - 7	5	4-5	4-5	3-4	5	5	5	5	5		
Rubin S-3B 150% Rubine S-3B 150%			R 82	7	5	4-5	4-5	3-4	5	5	5	5	5		-
Blau S-BGL 200% Blue S-BGL 200%			B 73	5 - 6	5	4-5	4-5	3-4	5	5	5	5	5		
Brillantblau S-BGF 200% Brilliant Blue S-BGF 200%			B 60	7 - 8	5	3-4	4-5	2	5	5	5	5	5		

Tecocet	1%	3%	C.I. Disperse	Xenonlicht Xenon lamp 1/1 RTT 1/1 SD	Trockenhitze Dry heat				Wäsche Washing 60 °C				Lösungs- mittel Solvent	Carrier- eignung Suitability for carrier dyeing	Streifigkeits- ausgleich Coverage for barriness
					180 °C		210 °C		N	PES	CO	PA			
					N	PES	N	PES							
Marineblau S-2GL 200% Navy S-2GL 200%			B 79.1	5-6	5	4-5	4-5	3-4	5	5	5	5	5	-	
Schwarz S-2BL 200% Black S-2BL 200%			Blk mix	6	5	4	4-5	3-4	5	5	5	5	5	-	

Tecocet	0.5%	2%	C.I. Disperse	Xenonlicht Xenon lamp 1/1 RTT 1/1 SD	Trockenhitze Dry heat				Wäsche Washing 60 °C				Lösungs- mittel Solvent	Carrier- eignung Suitability for carrier dyeing	Streifigkeits- ausgleich Coverage for barriness
					180 °C		210 °C		N	PES	CO	PA			
					N	PES	N	PES							
Gelb FF-8G Yellow FF-8G			Y 82	4	5	4	4-5	3	5	5	5	4-5	5		
Rot FF-G Red FF-G			R 277	5-6	5	4-5	4-5	3	5	4-5	4-5	4	4-5		
Blau FF-N Blue FF-N			B mix	3-4	5	4-5	5	3	5	5	5	5	5	-	-

Tecocet	0.5%	2%	Xenonlicht Xenon lamp 1/1 RTT 1/1 SD	Trockenhitze Dry heat				Wäsche Washing 60 °C				Lösungs- mittel Solvent	Carrier- eignung Suitability for carrier dyeing	Streifigkeits- ausgleich Coverage for barriness
				180 °C		210 °C		N	PES	CO	PA			
				N	PES	N	PES							
Gelb M-4G Yellow M-4G			7	4-5	3-4	4-5	2-3	5	5	5	5	5		
Orange M-2G Orange M-2G			7	4-5	4	4-5	2-3	5	5	5	5	5		
Rot M-RL Red M-RL			6	5	4-5	4-5	4	5	5	5	5	5	-	
Rubin M-BL 200% Rubine M-BL 200%			6-7	5	4-5	4-5	2	5	5	5	5	5		
Violett M-3BL Violet M-3BL			6-7	5	4-5	4-5	3	5	5	5	5	5		
Blau M-2R 200% Blue M-2R 200%			5	5	4	4-5	2-3	5	5	5	4	5		
Blau M-GL Blue M-GL			6	4-5	4	4	2	4-5	4-5	4-5	4	5		

Tecocet	1%	3%	Xenonlicht Xenon lamp 1/1 RTT 1/1 SD	Trockenhitze Dry heat				Wäsche Washing 60 °C				Lösungs- mittel Solvent	Carrier- eignung Suitability for carrier dyeing	Streifigkeits- ausgleich Coverage for barriness
				180 °C		210 °C		N	PES	CO	PA			
Marineblau M-RL 300% Navy M-RL 300%			5	5	4-5	4-5	3	5	5	5	5	5	-	
Schwarz M-SE 300% Black M-SE 300%			5	4-5	4	4-5	3	5	5	5	5	5		

Tecocet	0.5%	2%	Xenonlicht Xenon lamp 1/1 RTT 1/1 SD	Trockenhitze Dry heat				Wäsche Washing 60 °C				Lösungs- mittel Solvent	Carrier- eignung Suitability for carrier dyeing	Streifigkeits- ausgleich Coverage for barriness
				180 °C		210 °C		N	PES	CO	PA			
Gelb L-3G 200% Yellow L-3G 200%			7	4-5	2-3	4	1-2	5	5	5	4-5	5		
Rot L-2B 200% Red L-2B 200%			6-7	5	2-3	4	1-2	5	5	5	5	5		
Blau L-FB 150% Blue L-FB 150%			6-7	4-5	3	4-5	2	5	5	5	4-5	5		

Tecocet dyestuffs are disperse dyestuffs for dyeing and printing polyester fibres and their part in PES/CEL and PES/wool blends

Tecocet S dyestuffs

Large molecule, so called “high energy” dyestuffs with very good fastness to sublimation and high wet fastness. Suitable for exhaust and thermosol dyeing processes as well as for printing

Tecocet FF dyestuffs

Highly brilliant, partly fluorescent dyestuffs for dyeing and printing.
Attention: When dyeing with Tecocet Blue FF-N no nonionic dyeing auxiliaries may be used. In order to achieve a level dyeing it is necessary to heat slowly from 110 °C to 130 °C

Tecocet M dyestuffs

Especially suitable for rapid dyeing of polyester by the exhaust dyeing method. Tecocet M dyestuffs show a very good build up capacity, an even bath exhaustion and short fixation times. Being so called “medium energy” dyestuffs, they possess a very good levelling power and a medium level of fastness to sublimation

Tecocet L dyestuffs

„Low energy“ dyestuffs with very good levelling power at moderate fastness to sublimation, suitable for carrier dyeings at boiling temperature

Remark

The fastness tests were carried out on dyeings on 100% polyester tricot at 1/1 standard depth (navy and black in 3x1/1 standard depth).

After the complete removal of the unfixed dyestuff particles on the fibre surface by a thorough reductive aftercleaning (i.e. with Tecoredukt 1000), all Tecocet dyestuff show perfect water and perspiration fastness.

Dyeing process (exhaust dyeing method)

Set bath at 60 – 70 °C with
1.5 g/l Alviron PWE
0.5 g/l TC-Dispergator BL and
adjust to pH 5 with acetic or formic acid
after thorough distribution of the chemicals, add the perfectly dispersed dyestuff through a sieve
run for 10 min
heat up to 130 °C at 1-2 °C/min
The heating rate depends on the machine capacity, depth of shade and the appearance of the material
fix for 30 – 60 min at 130 °C
The fixing time depends on the depth of shade and on the applied dyestuff type
cool down to approx. 70 °C at 1-2 °C/min
drain bath
subsequently clean reductively or wash at 70 – 80 °C
Dispersing of the Tecocet dyestuffs:
Feed the Tecocet dyestuff into 10 to 20 times the amount of not more than 50 °C warm water under stirring, preferably with a stirring device, until homogenous.

Key to the fastness

N = change of shade
PES = staining of PES
CO = staining of CO
PA = staining of PA

Key to the signs

very good
good
▲ moderate
- unsuitable respectively bad

Light fastness ISO 105 – B02	Washing 60 °C ISO 105 – C03
Dry heat ISO 105 – P01	Solvent (perchloroethylene) ISO 105 – X05 (staining of PES)
Carrier suitability The build up capacity of a carrier dyeing (98 °C) in comparison with a HT dyeing at 130 °C is assessed	Covering of barriness The ability of a dyestuff to cover differences in affinity on PES material is assessed

Recommended chemicals

Alviron PWE	Highly effective levelling and migrating agent with diffusion accelerating effect for dyeings under HT conditions
Alviron OG	Levelling agent for dyeing polyester fibres and their blends. Prevents the precipitation of oligomers when applied in the dye bath as well as in reductive afterclearing
TC-Dispergator BL	Product with high dispersing power for disperse dyestuffs. Can be applied in the dyeing bath and also in reductive afterclearing
Tecoredukt 1000	Low odour, at room temperature stable reducing agent for removing unfixed disperse dyestuffs in aftercleaning processes

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.