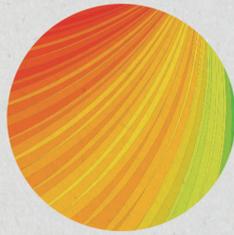
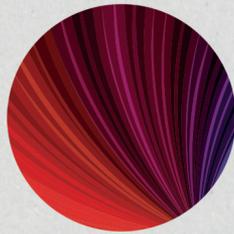


# SEG GROUP

CHEMICALS & DYES



SEGACRON  
SERIES

DISPERS  
DYES

SEGACRON  
SERIES®

We discover the  
**color**  
of the world !



# ABOUT US

SEGA GROUP CHEMICALS joined the “World of Textiles” in the year 2019. Segra Group is a company that aims to be a leader in it. Segra Group, which continues its research and development activities in line with the developing technology and aims to always progress open to development with its active staff, started to make a difference with its product quality price ratio in a very short time. It offers rational and practical solutions for needs with its ever-growing product range. Segra Group, was able to announce only the name is not in Turkey and in many foreign countries have proved the quality of products.

Having a creative and dynamic working approach, SEGA GROUP continues to exist in line with its skilled human resources, strong technical infrastructure and correct financial management skills. Segra Group, which brings identity to the chemical industry and textile, maintains and continues to maintain our place among the leading companies in the industry with customer satisfaction, innovation and fast service.

Acting fast, accompanied by our experts, we respond to the questions and problems of our customers in the fastest way, while providing mutual benefits to our customers by providing project collaborations to gain an advantage over their competitors.

Our vision is to expand our world market with our product quality as a leading company sought worldwide in line with our global and innovative solutions for the production and supply of chemical products.

Our mission is to be an innovative and environmentally friendly company that provides world-class service by discovering solutions that focus on the changing needs of our customers.

We are leading new approaches in Segra Group to help

companies access quality textile chemicals.

- Customer oriented principle
- Supporting with knowledge and innovation
- Increasing the competitiveness of our brand and business partners  
Attaching importance to ethical values such as Accuracy, Equality, and Reliability,  
We are a CHEMICAL company that works for a sustainable future.

Numerical Order			Depth o.w.f. %	Classification	pH Range	Dyeing Properties				Dyeing Fastness			
						High Temperature	Thermosol	Printing	Yarn Dyeing	Light (Xenon)	Washing	Sublimation	Rubbing
	Name of Products	Color Sample								CH	CH	Drewet	

## E | Type Trichromatic Shades

01	Segacron Yellow 3-GE		0.8	E	3-9	⊙	Δ	Δ	○	6	4-5	4	4-5 4-5
02	Segacron Red FB		0.8	E	3-9	⊙	Δ	Δ	○	6	4-5	4	4 4
03	Segacron Blue FBL		1.5	E	3-9	⊙	Δ	Δ	○	6-7	4-5	4-5	4 4

## SE | Type Trichromatic Shades

04	Segacron Yellow 4G		0.5	SE	4-7	⊙	Δ	⊙	Δ	6	4-5	4	4-5 4-5
05	Segacron Rubine G-FL		0.1	SE	4-8	⊙	Δ	Δ	○	6	4-5	4	4-5 4-5
06	Segacron Blue RSE		0.8	SE	4-7	⊙	Δ	⊙	○	5	4-5	4-5	4-5 4-5

## S | Type Trichromatic Shades

07	Segacron Yellow Brown 2RFS		1.5	S	4-7	⊙	⊙	⊙	⊙	6-7	4-5	4-5	4-5 4-5
08	Segacron Red P-2G		1.5	S	3-6	⊙	⊙	⊙	⊙	6-7	4-5	4-5	4-5 4-5
09	Segacron Navy Blue EC2G		1.5	S	4-6	⊙	⊙	⊙	⊙	4	4	4-5	4-5 4-5

Numerical Order			Depth o.w.f. %	Classification	pH Range	Dyeing Properties				Dyeing Fastness			
						High Temperature	Thermosol	Printing	Yarn Dyeing	Light (Xenon)	Washing	Sublimation	Rubbing
	Name of Products	Color Sample								CH	CH	Drewet	

## Fluorescent Series Disperse Dyes

10	Segacron F. Yellow 10G		1.0	S	3-6	⊙	△	⊙	△	5	4	4	4-5 4-5
11	Segacron F. Yellow 8GFF		1.0	SE	4-6	⊙	⊙	⊙	○	4	4-5	4-5	4-5 4-5
12	Segacron Neon Red G.BB 200%		1.0	SE	4-6	⊙	⊙	⊙	△	4-5	4-5	4-5	4 3-4
13	Segacron Brill. Pink FBS		1.0	SE	4-6	⊙	○	⊙	○	5	4-5	4	4-5 4-5

## R-ACE Series light Trichromatic shades for Rapid Dyeing and Microfiber

14	Segacron Yellow R-ACE Series		1.0	E	3-9	⊙	×	△	○	6-7	4-5	4	4-5 4-5
15	Segacron Red R-ACE Series		1.0	E	3-9	⊙	×	△	○	6-7	4-5	4	4 4
16	Segacron Blue R-ACE Series		1.0	E	3-9	⊙	×	△	○	6-7	4-5	4	4-5 4-5

Numerical Order			Depth o.w.f.%	Dyeing Properties					Dyeing Fastness			
	Name of Products	Color Sample		Fastness to light	Washing Fastness	Sublimation	Rubbing Fastness		Exhaustion	Continuous Process	Printing	Microfiber Dyeing
							Dre	Wet				

## High Washing Fastness Disperse Dyes

17	Texinsta Flavine HWF		0.45	6-7	5	5	5	4-5	○	○	○	○
18	Texinsta Golden Yellow HWF		1.0	6	4-5	4-5	4-5	4-5	○	○	○	○
19	Texinsta Yellow Brown HWF 01		1.0	6-7	5	4-5	4-5	4-5	○	○	○	○
20	Texinsta Pink HWF		0.5	5-6	4	4	4-5	4-5	○	△	○	○
21	Texinsta Scarlet HWF-N		1.0	5-6	4-5	4-5	4-5	4-5	○	○	○	○
22	Texinsta Red HWF 01		2.0	5-6	5	4-5	5	5	○	○	○	○
23	Texinsta Rubine HWF 01		1.5	6	5	4-5	5	5	○	○	○	○
24	Texinsta Turquoise HWF 01		2.0	7	4-5	4-5	5	4-5	○	○	○	○
25	Texinsta Blue HWF 01		2.0	6	5	4-5	5	5	○	○	○	○
26	Texinsta Navy HWF-N		3.0	6	4-5	4-5	5	4-5	○	○	○	○
27	Texinsta Black HWF 01		5.0	6	4-5	4-5	5	4-5	○	○	○	○

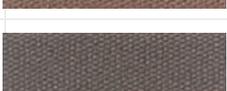
Numerical Order			Depth o.w.f. %	Light Fastness (Xenon)	Washing Fastness M&S C4A	AATCC 61 2A	Perspiration	Sublimation	PH scope
	Name of Products	Color Sample							

## High Wet Fastness Disperse Dyes

28	Texilene Yellow HWF		0.45	6-7	5	5	5	4-5	4-6
29	Texilene Gold Yellow HWF-N		1.30	6-7	5	5	5	4-5	4-6
30	Texilene Orange HWF		1.80	6-7	4-5	4-5	5	4-5	4-5
31	Texilene Yellow Brown HWF		2.10	7	4-5	4-5	5	4-5	4-5
32	Texilene Brill Scarlet HWF		1.65	5-6	4-5	4-5	4-5	4-5	4-5
33	Texilene Scarlet HWF		1.80	5-6	5	5	5	4-5	4-6
34	Texilene Red HWF		2.00	5-6	5	5	5	4-5	4-6
35	Texilene Deep Red HWF		1.30	7	4-5	4-5	5	4-5	4-5
36	Texilene Rubine HWF		1.20	7	4-5	4-5	4-5	4-5	4-4.5
37	Texilene Violet HWF		2.00	6-7	4-5	4-5	4-5	4-5	4-4.5
38	Texilene Turquoise HWF		2.00	7	5	5	5	4-5	4-6
39	Texilene Royal Blue HWF-B		1.90	7	4-5	4-5	5	4-5	4-4.5
40	Texilene Black HWF-B		5.00	6-7	5	5	5	4-5	4-4.5
41	Texilene Deep Black HWF		5.00	6-7	4-5	4-5	4-5	4-5	4-4.5

Numerical Order			Depth o.w.f. %	Classification	pH Range	Dyeing Properties				Dyeing Fastness			
						High Temperature	Thermosol	Printing	Yarn Dyeing	Light (Xenon)	Washing	Sublimation	Rubbing
								CH	CH	Drewet			
	Name of Products	Color Sample											

## Fluorescent Series Disperse Dyes

42	Segacron Yellow G		1.0	E	4-7	⊙	△	○	△	6	4	3	4 4
43	Segacron Yellow 6-GSL		1.5	S	4-7	⊙	⊙	⊙	⊙	6-7	4-5	4-5	4-5 4-5
44	Segacron Yellow C-5G		1.0	SE	3-6	⊙	○	○	○	6-7	4-5	4-5	4-5 4-5
45	Segacron Orange H-3R		0.5	E	3-9	⊙	△	△	⊙	5-6	4	3-4	4-5 4
46	Segacron Orange GL		1.0	SE	4-9	⊙	△	△	△	7	4	4-5	4-5 4
47	Segacron Orange S-3RFL		1.0	S	3-9	⊙	⊙	⊙	△	6-7	4-5	4-5	4-5 4-5
48	Segacron Orange G-SF		1.0	S	3-9	⊙	⊙	⊙	△	6-7	4-5	4-5	4 4
49	Segacron Brown 3R		1.5	S	4-6	⊙	⊙	⊙	⊙	5	5	5	5 5
50	Segacron Brown S-3RL		1.0	S	4-6	⊙	⊙	△	△	5	4	4-5	4 4-5
51	Segacron Brown S-2BL		1.0	S	4-6	⊙	⊙	△	△	5	4	4-5	4 4-5
52	Segacron Scarlet B		1.0	E	4-7	⊙	○	○	○	4-5	4-5	4	5 5
53	Segacron Rubine B		1.0	E	4-9	⊙	△	○	△	4-5	4	4	4 3-5

Numerical Order			Depth o.w.f.%	Classification	pH Range	Dyeing Properties				Dyeing Fastness			
						High Temperature	Thermosol	Printing	Yarn Dyeing	Light (Xenon)	Washing	Sublimation	Rubbing
	Name of Products	Color Sample								CH	CH	Drewet	

## Fluorescent Series Disperse Dyes

54	Segacron Scarlet 2GH		0.8	E	3-9	⊙	○	○	○	5-6	4-5	4	4-5 4
55	Segacron Scarlet S-3GFL		1.5	S	4-7	⊙	⊙	⊙	⊙	6-7	4-5	4	4-5 4
56	Segacron Red S-BWFL		1.5	S	4-6	⊙	⊙	⊙	○	4-5	4-5	4	4-5 4-5
57	Segacron Red SE-3B		1.0	S	4-6	⊙	○	○	○	6-7	4	4	4 4
58	Segacron Red REL		1.0	SE	4-7	⊙	⊙	○	○	7	3-4	3	4-5 4-5
59	Segacron Red BEL		1.5	SE	4-7	⊙	○	⊙	○	6-7	4-5	4-5	4-5 4-5
60	Segacron Scarlet BB		1.0	S	4-8	⊙	⊙	⊙	○	5-6	4-5	4-5	4-5 4-5
61	Segacron Scarlet GS		1.0	SE	3-9	⊙	○	⊙	○	5	4	4	4 3-4
62	Segacron Red P-2G Conc		1.0	S	3-9	⊙	⊙	⊙	⊙	6-7	4-5	4-5	4 4-5
63	Segacron Red FRL		1.0	S	4-6	⊙	⊙	⊙	○	5-6	4	4-5	4-5 4-5
64	Segacron Rubine BSF		1.0	S	3-9	⊙	⊙	○	○	6	4	4-5	4-5 4-5
65	Segacron Red 3BS		1.0	S	4-9	⊙	○	○	○	5-6	4-5	4-5	4 4
66	Segacron Violet 2R		1.0	E	4-6	⊙	⊙	⊙	○	3-4	4	4-5	4-5 5

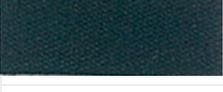
Numerical Order			Depth o.w.f.:%	Classification	pH Range	Dyeing Properties				Dyeing Fastness			
						High Temperature	Thermosol	Printing	Yarn Dyeing	Light (Xenon)	Washing	Sublimation	Rubbing
	Name of Products	Color Sample								CH	CH	Drewet	

## Fluorescent Series Disperse Dyes

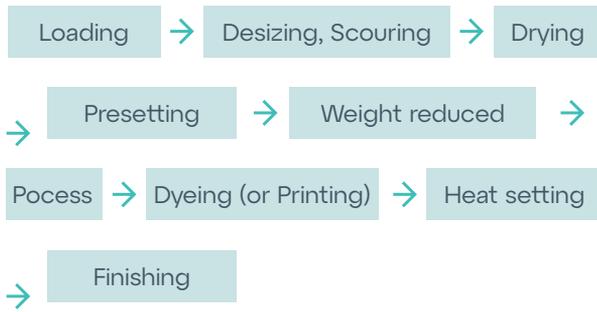
67	Segacron Violet FBL		1.0	S	3-9	⊙	⊙	⊙	○	6-7	4-5	4-5	4-5 4-5
68	Segacron Violet CBL		1.0	S	3-9	⊙	⊙	⊙	○	6-7	4-5	4-5	4-5 4-5
69	Segacron Rubine CBSF		1.8	SE	3-7	⊙	○	○	○	6	4	4	4-5 4
70	Segacron Violet S-3RL		0.5	S	4-9	⊙	⊙	⊙	○	6	4-5	4-5	4-5 4-5
71	Segacron Violet BB		1.0	S	4-8	⊙	⊙	△	△	6-7	4-5	3-4	4 4
72	Segacron Blue BNN		4.0	S	4-6	⊙	○	×	○	6-7	5	5	5 5
73	Segacron Blue BG		1.0	S	3-7	⊙	⊙	⊙	○	6-7	4-5	4-5	4-5 4-5
74	Segacron Blue S-BGL		1.0	S	3-9	⊙	⊙	△	○	7	5	5	3-4 3-4
75	Segacron Blue BGF		1.0	S	4-6	⊙	⊙	⊙	○	6	5	5	4 4
76	Segacron Dark BGF		1.5	SE	4-7	⊙	△	○	△	5-6	4	4	4 4
77	Segacron Blue BBLs		1.0	S	4-7	⊙	△	△	△	6	4-5	4-5	4 4
78	Segacron Blue SR		1.0	S	3-8	⊙	○	○	×	4	4-5	5	4-5 4-5
79	Segacron Blue CRE		1.0	SE	4-6	⊙	△	△	△	5-6	4	4	4-5 4-5

Numerical Order			Depth o.w.f. %	Classification	pH Range	Dyeing Properties				Dyeing Fastness			
						High Temperature	Thermosol	Printing	Yarn Dyeing	Light (Xenon)	Washing	Sublimation	Rubbing
	Name of Products	Color Sample								CH	CH	Drewet	

## Fluorescent Series Disperse Dyes

80	Segacron Blue F2GS		1.0	S	4-5	☉	△	△	△	4-5	4-5	4	4 4-5
81	Segacron Blue K-FBL		1.0	SE	5-6	☉	△	△	△	5-6	4-5	4	4-5 4-5
82	Segacron Navy Blue CERN		1.0	SE	4-5	☉	△	×	△	4-5	4-5	4	4-5 4-5
83	Segacron Green C6B		2.0	SE	5-6	☉	○	○	○	5-6	4	4	4-5 4
84	Segacron Yellow Brown SWS		1.0	S	6-7	☉	☉	☉	☉	6-7	3-4	4-5	4-5 4-5
85	Segacron Rubine SWS		1.0	SE	6	☉	△	△	×	6	4-5	4	4-5 4-5
86	Segacron N.Blue SWS		1.0	SE	4-5	☉	△	×	△	4-5	4-5	4	4-5 4-5
87	Segacron Black GI		5.0	S	5-6	☉	☉	☉	○	5-6	4	4	4-5 4-5
88	Segacron Black H-BLS		8.0	S	5-6	☉	☉	☉	○	5-6	4-5	4-5	4 4-5
89	Segacron Black ECO		6.0	SE	5-6	☉	○	×	△	5-6	4	3-4	4 4
90	Segacron Black ECO-R		6.0	SE	5-6	☉	○	×	△	5-6	4	3-4	4 4
91	Segacron Black CERN		6.0	SE	5-6	☉	○	×	△	5-6	4-5	3-4	4 4
92	Segacron Grayn N		1.0	E	5-6	☉	△	×	○	5-6	4	4	5 4-5

# Dyeing of Polyester and its Blendes



## Desizing, Scouring

### Object

Desizing and Scouring are to remove the spinning oil, desizer in the fabric and machine oil stain during the process of spinning.

### Recipe:

Detergent	0.25g/L
Soda Ash	2g/L
Caustic soda (33° BE')	2g/L
Hydros	1g/L
LR	1:10
Temperature	80°C
Time	20 mins

## Presetting

### Object:

Pre-setting is to stabilize the width size and maintain the soft handle of the polyester fabric, thus leading to a higher dyeing performance.

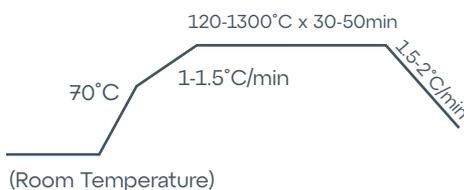
### Recipe:

Temperature	180-210°C
Time	30"-45"
Over-feeding	Around 10%

## Weight-reduced process (Optional)

Polyester can be weight-reduced to improve the soft handle, elasticity and the performance of absorbing moisture and perspiration under strong caustic condition.

### Process:



**Remark:** A complete washing and neutralizing is recommended to improve the dyeing performance.

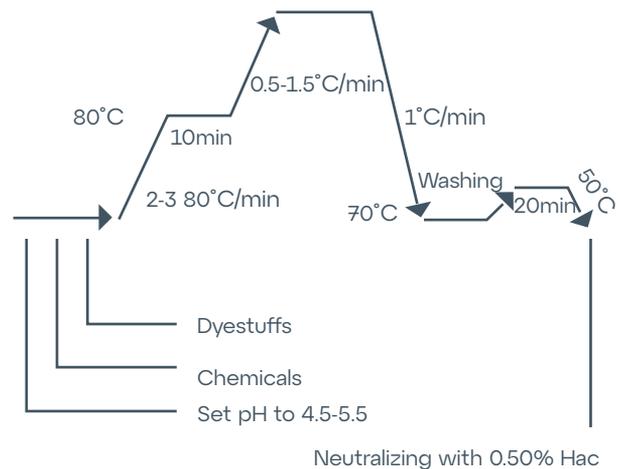
## Dyeing

HThP dyeing	
Disperse dyes	X%
Sequester	0.3-0.5g/L
Dispersant	1-2g/L
Leveler	0.1-0.5g/L
HAc/NaAc Buffer	pH 4.5-5.5

**Remark:** Paste the dyestuffs and dispersant with warm water (40-50°C and dilute with cold water, stir completely. Add the solution into dyeing machine through a filter.

## Reduction Clearing

Caustic Soda ( 100%)	1-2g/L
Hydros (85%)	2-4g/L
Detergent	1-2g/L



## Thermofixation

Thermofixation mainly for continuous dyeing of polyester / cotton blends can be processed as below: Padding-Drying

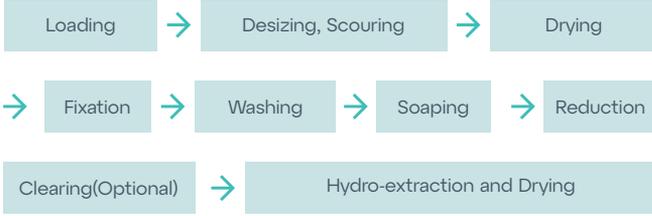
Disperse dyes	Xg/L
Anti-migrant	1-5g/L
Wetting Agent	1-2g/L
Buffer Solution	pH 5-6
Temperature	20-40°C
Pick-up	65-70%
Drying	70-90 80°C

## Thermofixation

Temperature	180-220
Time	60"-120"

## Aftertreatment

Washing  
Reduction Clearing (See HTHP Dyeing)  
Washing and Drying



## Recipe:

P Series	Xg
Warm Water (30°C)	Some
Ammonium Sulphate	2-5g
SequesterA	0.5-1.0g
Thickener	500-800g
Total	1000g

## Fixation:

The printed fabric should be dried at a temperature below 120°C to avoid over penetration. HTHPS, HTS or Hot Air as below can be applied:

### Pressurized fixation

0.15-0.20 Mpa, 130 °C, 20-30min, Processing in Cylinder Steamer

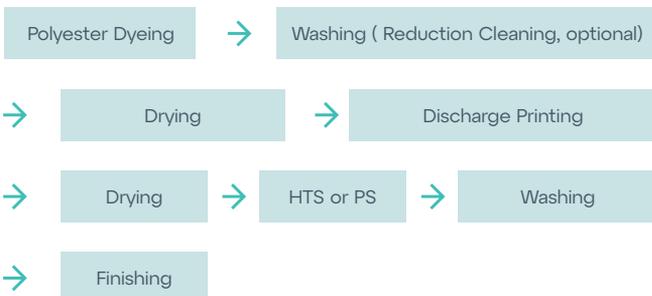
### High Temperature Fixation

175-180 °C, 7-8min, Processing in High Temperature Ollp steamer

### Hot Air Fixation

180-210°C, 1-2min, Processing in stenter or baker

## Discharge Printing



## Recipe: %

Stannous	60-80g/L
Warm Water (30°C)	30g/L
Ammonium Sulphate	50g/L
SequesterA	400g/L
Thickener	1000g/L

## Dyeing Profiles

Substrate : Polyester  
Temperature : 130°C  
Liquor Ratio : 1:10  
Run : 45mins  
pH : 4.5

## Dye Group

S(H) : High Energy  
SE : Medium Energy  
E : Low Energy

## Suitability

◎ : Very suitable  
○ : Suitable  
△ : Limited Suitable  
× : Not Suitable

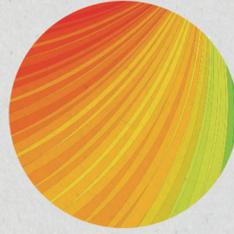
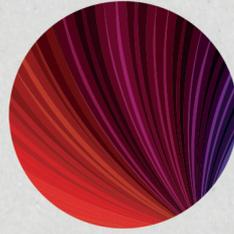
## Fastness Test Method

Color Fastness to Washing : ISO 105-C03  
Color Fastness to Light : ISO 105-B02 Xenon  
Color Fastness to Sublimation : ISO 105-P01 (180°Cx30sec)  
Color Fastness to Perspiration : ISO 105-E04  
Color Fastness to Rubbing : ISO 105-X12

# SEGA GROUP

CHEMICALS & DYES

We discover the  
**color**  
of the world !



SEGACRON  
SERIES



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