



HWA TAI INDUSTRY CO., LTD.



Hellocolor[®] Disperse Dyes

for Polyester fibers

HELLOCRON DYES

With the genuine disperse dyes manufacturing technology from Japan, we offer perfect range high quality Disperse dyes under the brand : Hellocron

The Hellocron Standard dyes :

Broad selection of versatile dyes to cover a wide range of economical application.

Hellocron E	Selection of dyes economical exhaust dyeing of pale and low temperature applications. (PES, Wool, and non-PES blended fabrics)
Hellocron SE	Cost effective selection for exhaust dyeing of medium to deep shades on PES and PES/cellulose blends.
Hellocron S	Economical range of high sublimation dyes for printing, continuous dyeing, exhaust dyeing, yarn dyeing on PES, PES/Cellulose blends.

The Hellocron Specialties :

Successfully established specialty dyes for critical area of applications.

Hellocron ACE	Reliable trichromat for exhaust dyeing of pale shades with excellent Levelling.
Hellocron UN-SE	Compatible preparations with good wet fastness and good levelling in rapid-dyeing system, are suitable in dyeing medium to deep shades on PES especially on microfiber and alkaline weight-reduced PES.
Hellocron Fluorescent	Luminous and brilliant dyes for fashion shade and visibility clothing.
Hellocron ECO	Eco-friendly, Passed the Certification of Intertek; Can be Used in Rapid Dyeing, Reduce the Energy Cost, improve the Effective Utilization Rate of Equipment.
Hellocron HXF	Dyes with the highest level of washing fastness and highest resistance to thermomigration during finishing.
Hellocron HFW	Special preparation of dyes with highest wet fastness. Dyeing with HFW show excellent performance in the toughest washing fastness tests and can help to solve problems in critical heavy shades.
Hellocron SFN	Newly innovative disperse dye series with excellent various fastness properties designed for accomplishing right first time solution
Hellocron General	Traditional economical product series suitable for general polyester dyeing.

Fastness Testing Method:

Color Fastness to washing : ISO 105-C03 Stain on PES

Color Fastness to Light : ISO 105-B02 Xenon

Color Fastness to Sublimation : ISO-X11 Color Change

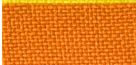
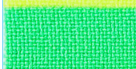
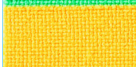
◎ : recommended

○ : Suitable

△ : Limited Suitability

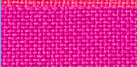
× : Not Suitable

HELLOCRON		C.I.N.O.	Depth o.w.f %	Energy	Dyeing Properties				Fastness			PH PH Range
					High Temp	Thermosol	Printing	Yarn	Light(Xenon)	Sublimation(CH)	Washing(PES)	
E-type Economical Trichromatic												
	Yellow 3GE 200%	Y54	1	E	☉	△	△	○	6	2-3	3	3-9
	Red FB 200%	R60	1	E	☉	△	△	○	5	2-3	3	3-9
	Blue E-EB 100%	B56	1	E	☉	△	△	○	6-7	2-3	3-4	3-9
SE-type Trichromatic for Medium Shades												
	Yellow 4G 200%	Y211	1	SE	☉	△	○	△	6	3-4	3-4	3-7
	Red GL-SE 200%	R73	1	SE	☉	△	△	○	6	3-4	3-4	3-8
	Blue SE-5R 200%	B183:1	1	SE	☉	△	○	○	4-5	3-4	3-4	3-7
S-type Trichromatic foe Deep Shades												
	Orange 2RFS 150%	O30	1	S	☉	☉	☉	☉	6	4	4	3-7
	Red S-2GFL 100%	R167	1	S	☉	☉	☉	☉	5-6	3-4	4	4-7
	Navy Blue GL 200%	B79	1	S	☉	☉	☉	☉	4	4-5	4	4-6
ACE Series For Rapid Dyeing and Microfiber												
	Yellow ACE 100%	-	1	E	☉	△	△	○	6-7	3	3-4	3-9
	Red ACE 100%	-	1	E	☉	△	△	○	6-7	3	3-4	3-9
	Blue ACE 100%	-	1	E	☉	△	△	○	6	3	3-4	3-9

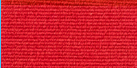
HELLOCRON		Depth o.w.f %	Energy	Dyeing Properties				Fastness			PH
				High Temp	Thermosol	Printing	Yarn	Light(Xenon)	Sublimation(CH)	Washing(PES)	PH Range
UN-SE Series for Rapid Dyeing and Microfiber											
	Yellow UN-SE 200%	1.0	SE	☉	△	△	○	6	3-4	4	3-8
	Orange UN-SE 200%	1.2	SE	☉	△	△	○	6	4	4	4-6
	Red UN-SE 200%	2.0	SE	☉	△	△	○	5	3-4	3-4	3-8
	Rubine UN-SE 200%	1.8	SE	☉	△	△	○	5	3-4	4	3-8
	Blue UN-SE 200%	2.0	SE	☉	△	△	○	5	3-4	3-4	4-7
	Navy UN-SE 200%	1.6	SE	☉	△	△	○	4	4	3-4	4-7
Fluorescent Series Dyes											
	Yellow 10G 400%	1.0	S	☉	○	○	○	3-4	4	3	4-6
	Yellow 8GFF 100%	1.0	SE	☉	△	○	○	3-4	4	3	4-6
	Green 5G 100%	1.0	SE	☉	○	○	○	4	3-4	4	4-6
	Orange 2GFL 100%	1.0	S	☉	○	○	○	3-4	4-5	3-4	4-6
	Red G 100%	1.0	SE	☉	○	○	○	3-4	4	3-4	4-6
	Pink BG 100%	1.0	SE	☉	○	○	○	3-4	4	4	4-6
	Pink 5B 100%	1.0	SE	☉	○	○	○	3	3	3	4-6
	Pink B 100%	3.0	SE	☉	○	○	○	4-5	4-5	4-5	3-8
	Rose 5B 100%	3.0	S	☉	✖	✖	✖	4	3	4	4-6
	Rose 8B 100%	2.0	SE	☉	○	○	○	4-5	4-5	5-5	3-6

HELLOCRON	Depth o.w.f %	Energy	Color Fastness							PH
			Water Fastness	Perspiration		Light Fastness	Washing Fastness	Sublimation	pH Range	
				Acid	Alkali					

HXF Series-Dyes for High Washing Fastness

	Flavine HXF 200%	1.0	S	4-5	4-5	4-5	6-7	4-5	4-5	4-7
	Yellow Brow HXF 200%	1.0	S	4-5	4-5	4-5	6	4-5	4	3-6
	Red HXF 200%	0.5	S	4	4-5	4-5	6	4	4-5	3-6.5
	Brill Red HXF 200%	1.0	S	4-5	4-5	4-5	6	4-5	4-5	4-7
	Brill Scarlet HXF 200%	1.5	S	4-5	4-5	4-5	6	4-5	4-5	4-7
	Sport Red HXF 200%	1.5	S	4	4	4	6	4-5	4-5	4-7
	Crimson HXF 200%	2.0	S	4-5	4-5	4-5	6	4-5	4-5	4-7
	Deep Red HXF 200%	1.2	S	4	4	4	6	4-5	4	4-7
	Rubine HXF 200%	1.0	S	4	4	4	6	4	4	3-6
	Turquoise HXF 200%	1.5	S	4	4	4	6	4	4	3-8
	Cyanine B 200%	1.0	S	4	4	4	6	4	4	3-8
	Blue HXF 200%	1.0	S	4	4	4	5-6	4-5	4-5	4-4.5
	Navy HXF 200%	3.0	S	4	4	4	5-6	4-5	4-5	4-5.5
	Black HXF 200%	3.0	S	4	4	4	5-6	4-5	4-5	4-5.5

HFW Series - Dyes for High Washing Fastness(T150D/144F+10%OP)

	Yellow HFW-R	2	S	4-5	4-5	4-5	6-7	4-5	4-5	3.8-5
	Gold Yellow HFW-3R	2	S	4-5	4	4	6	4-5	4	3.8-5
	Red HFW-RS	3	S	4-5	4-5	4-5	5-6	4-5	4	3.8-7
	Red HFW-GF	2	S	4-5	4-5	4-5	5-6	4-5	4	3.8-6
	Red HFW-CSF	3	S	4-5	4-5	4-5	5-6	5	5	3.8-5.5
	Red HFW-3BS	2	S	4-5	4-5	4-5	5-6	4-5	4-5	3.8-5.5

HELLOCRON	Depth o.w.f %	Energy	Color Fastness					PH	
			Water Fastness	Perspiration		Light Fastness	Washing Fastness	Sublimation	PH Range
				Acid	Alkali				

HFW Series - Dyes for High Washing Fastness(T150D/144F+10%OP)

	Rubine HFW-4BS	2	S	4-5	4-5	4-5	5-6	4-5	4	3.8-5.5
	Blue HFW-FBL	2	S	4	4	4	5-6	4	4	3.8-5
	Blue HFW-BLS	2	S	4	4	4	5-6	4	4	4-5
	Navy Blue HFW-RS	2	S	4	4	4	5-6	4-5	4	4-5
	Black HFW-NS	3	S	4	4	4	5-6	4-5	4-5	3.8-6
	Black HFW-PES	3	S	4	4	4	5-6	4-5	4-5	3-6
	Black HFW-KSN	3	S	4	4	4	5-6	4-5	4-5	3.8-5

Hellocron SFN Series

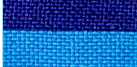
	Yellow Brown SFN-4R 300%	1.5	S	5	4-5	4-5	6	4-5	4	3.8-5
	Scarlet SFN 200%	3.0	S	4	4-5	4-5	5	4	4	3.8-5
	Brill Red SFN 200%	3.0	S	5	5	5	5-6	5	4-5	3.8-5
	Rose Red SFN 200%	3.0	S	5	5	5	5-6	5	4-5	3.8-5
	Deep Red SFN 200%	3.0	S	4	4	4	7	4-5	4	3.8-5
	Rubine SFN 400%	3.0	S	4	4	4	7	4-5	4	3.8-5
	Green SFN 200%	3.0	S	4-5	4-5	4-5	5	4-5	4	3.8-5
	Blue SFN-6G 200%	3.0	S	4	4	4	6-7	4	4	3.8-5
	Royal Blue SFN 200%	3.0	S	4-5	4-5	4-5	6-7	4-5	4	3.8-5
	Royal Blue SFN-S 200%	3.0	S	4-5	4-5	4-5	6-7	4-5	4	3.8-5
	Navy Blue SFN 200%	4.0	S	4-5	4-5	4-5	5-6	4-5	4	3.8-5
	Navy Blue SFN-DX 200%	4.0	S	4	4	4	5-6	4-5	4-5	3.8-5
	Navy Blue SFN-B 300%	3.0	S	4	4	4	5-6	4-5	4-5	3.8-5

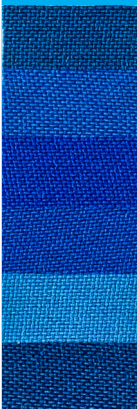
HELLOCRON	Depyh o.w.f %	Energy	Color Fastness							PH
			Water Fastness	Perspiration		Light Fastness	Washing Fastness	Sublimation		PH Range
				Acid	Alkali					

Hellocron SFN Series										
	Black SFN 200%	6.0	S	4	4	4	5-6	4-5	4-5	3.8-5
	Black SFN-RN 200%	6.0	S	4	4	4	5-6	4-5	4-5	3.8-5
	Black SFN-BN 300%	4.0	S	4	4	4	5-6	4-5	4	3.8-5

HELLOCRON	Depth o.w.f %	Energy	Dyeing Properties				Fastness			PH
			High Temp	Thermosol	Printing	Yarn	Light(Xenon)	Sublimation(CH)	Washing(PES)	PH Range

ECO-friendly and Effective											
	Yellow ECO 200%	0.5	SE	☉	○	△	○	6-7	3-4	3-4	3-7
	Golden Yellow ECO 200%	1.5	SE	☉	△	△	△	4-5	2-3	3-4	3-9
	Yellow Brown ECO 300%	0.6	SE	☉	☉	○	△	6	4	3-4	4-8
	Orange ECO 200%	2.0	SE	☉	☉	○	○	4-5	3-4	3-4	3.5-7.5
	Scarlet ECO 200%	1.4	SE	☉	☉	○	○	4-5	3-4	3-4	3.5-5.5
	Red ECO 200%	1.0	S	☉	☉	○	○	5	4-5	3-4	4-6
	Rubine ECO 200%	0.6	SE	☉	☉	○	○	5-6	3-4	3-4	4-7
	Blue ECO 300%	0.8	SE	☉	☉	○	○	4	3-4	3-4	3-6
	Royal ECO 300%	0.8	SE	☉	☉	○	○	4	3-4	3-4	4-7
	Gray ECO 300%	1.5	SE	☉	☉	○	○	3-4	3-4	3-4	3-9
	Navy ECCO 300%	4.0	SE	☉	☉	○	○	4-5	3	3-4	3-9
	Black ECCO 300%	4.0	SE	☉	☉	○	○	4-5	3	3-4	3-9
	Black ECG 300%	4.0	SE	☉	☉	○	○	4-5	3	3-4	3-9

HELLOCRON		C.I.N.O.	Depth o.w.f %	Energy	Dyeing Properties				Fastness			PH PH Range	
					High Temp	Thermosol	Printing	Yarn	Light(Xenon)	Sublimation(CH)	Washing(PES)		
General Series													
	Yellow 6GSL 200%	Y-114	1.0	S	☉	☉	☉	○	6-7	4-5	5	4-9	
	Yellow C5G 200%	Y-119	1.0	SE	☉	△	△	△	6-7	3	4-5	4-6	
	Orange R-SF 200%	OR-73	1.0	S	☉	☉	☉	○	4	4-5	4	4-8	
	Orange E-RL 200%	OR-25	1.0	E	☉	△	○	○	6	3	4	3-9	
	Yellow Brow HRSL 200%	OR-29	1.0	SE	☉	△	△	○	6-7	3-4	4	4-9	
	Orange SE-3RLN 200%	061	1.0	SE	☉	○	○	○	6	3-4	4	3-9	
	Scarlet GS 200%	R-153	1.0	SE	☉	○	○	○	4-5	3-4	4	3-9	
	Scarlet 4GF 200%	R-153-1	1.0	S	☉	☉	☉	△	4-5	4-5	4	4-7	
	Red BEL 200%	R-92	1.0	S	☉	○	☉	○	4-5	4-5	4-5	4-6	
	Red F3BS 150%	R-343	1.0	SE	☉	○	○	○	5	4	4	3-9	
	Red F2B 200%	R-152	0.8	S	☉	☉	☉	○	4-5	4	4	3-9	
	Red FRL 200%	R-177	1.0	S	☉	☉	☉	○	5-6	4-5	4	4-6	
	Red HBBL 200%	R82	0.8	SE	☉	△	△	○	5-6	3-4	4	4-6	
	Violet 3RL-S	V77	1.0	S	☉	○	○	○	5-6	3-4	4	3-6	
	Violet FBL 150%	V26	1.0	S	☉	△	△	×	4-5	3-4	4	4-9	
	Violet 2RL 100%	V28	1.5	E	☉	×	×	△	6-7	3	4	4-9	
	Violet RL	V63	1.0	SE	☉	○	△	○	4	3	4	4-9	
	Violet BNL 300%	V93	1.0	SE	☉	△	△	△	4	3-4	4	3-9	
	Blue BGE 200%	B60	2.0	SE	☉	○	○	○	6	3-4	4-5	3-8	
	Blue SR 300%	B354	1.0	SE	☉	○	○	○	4-5	4	4-5	4-6	
	Blue FRR 300%	-	1.0	SE	☉	○	○	○	4-5	4	4-5	4-6	

HELLOCRON	C.I.N.O.	Depth o.w.f %	Energy	Dyeing Properties				Fastness			PH	
				High Temp	Thermosol	Printing	Yarn	Light(Xenon)	Sublimation(CH)	Washing(PES)	PH Range	
General Series												
	Blue RL 300%	B291	1.0	SE	☉	△	△	○	4	3	3-4	3-8
	Blue BBLS 200%	B165	0.5	S	☉	△	○	△	5	4	4	3-8
	Royal Blue FBL 300%	-	1.0	SE	☉	△	△	○	4-5	3-4	4	4-8
	Blue 2BLM 300%	-	1.0	S	☉	○	○	○	4-5	4-5	4	4-8
	Blue S2G 200%	-	1.0	S	☉	○	○	○	6	3-4	4	4-6
	Navy Blue GLN 200%	-	1.0	SE	☉	○	○	○	5-6	3-4	4	4-6
	Navy Blue ECO-R 300%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	4-9
	Navy Blue ECO 300%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black ECO-R 200%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black ECO 300%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black EXSF 300%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black ECT 300%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black NNR 330%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black BFE 330%	-	3.0	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black CBN 400%	-	2.2	SE	☉	△	△	○	4-5	3-4	3-4	3-9
	Black SR 200%	-	5.0	S	☉	☉	☉	○	4-5	4	4	4-6
	Black GI 300%	-	4.0	S	☉	☉	☉	○	4-5	4	4	4-6
	Black SRLN 300%	-	4.0	S	☉	☉	☉	○	4-5	4	4	4-6



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FACTORY

582 MOO 4 BANGPOO INDUSTRIAL ESTATE SOI 13B
SUKHUMVIT RD.,TAMBOL PRAKSA, AMPHUR MUANG
SAMUTPRAKARN 10280 THAILAND.

Email : sales@hwa-tai.com, info@hwa-tai.com

Tel : (662)393-6688

