

®CSC SCREEN PROCESS SUPPLIES SDN. BHD.

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(431984-A)

TECHNICAL DATA SHEET

Water-Based PC Color System

GENERAL INFORMATION

CSC **Water-based PC Color system** is eminently performance pigment colors which can be fully compatible with any of CSC water-based system.

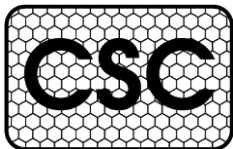
The system consists of 2 series which include CSC Water-based PC Color Series & CSC Water-based PC Fluorescence Color Series.

Water-based PC Color Series

Properties Item	C.I.	Light Fastness		Washing	Rubbing	Discharge Agent	Dry Cleaning	Heat
		5%	1%					
PC Blue F	P.B.15.3	8	7	5	4-5	5	3	5
PC Blue PK	P.B.15	8	8	5	4	5	5	5
PC Green FGB	-	8	7	5	4-5	4	5	5
PC Red FGB	P.R.112	6	8	5	4-5	3	3	4-5
PC Orange F2R	P.O.16	6	5	5	4	5	4	4-5
PC Violet FGB	P.V.23	8	5	5	4-5	5	4-5	4-5
PC Yellow K2G	-		7	5	4	5	3	4-5
PC Yellow F2	-	6	5	5	4	5	3	4-5
PC Black NC	P.Bi.7	8	8	5	4-5	5	5	5
PC Pink RB	P.R122	7	6	5	4	3	3-4	4-5

Recommended Dosage

Recommend use below 5% in total formulation to achieve desire color for good fastness performance. For higher color strength requirement, suggest maximum loading up to 8% only with additional 2-5% fixer for better fastness performance.



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Water-based PC Fluorescent Color Serie

Item \ Properties	C.I.	Light Fastness		Washing	Rubbing	Discharge Agent	Dry Cleaning	Heat
		5%	1%					
PC Pink E8	-	4	2	4	4	4	4-5	4
PC Green E3	-	4	2	5	4	4-5	5	4-5
PC Violet E14	-	4-5	2-3	4-5	4	4-5	4-5	4
PC Orange E5	-	4	2	5	4	4-5	5	4-5
PC Blue E9	-	4-5	2-3	4	4	4-5	4-5	4-5
PC Red E4	-	4	2	5	4	4-5	5	4
PC Yellow E6	-	4	2	5	4	4-5	5	4-5

Recommended Dosage

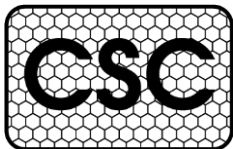
The maximum loading is 15% in total ink formulation.

STORAGE & PACKAGING

- CSC water-based PC color system is pack in 5 litres Jelly can.
- Store pigment in normal room temperature (25°C–35°C), well air ventilate and away from direct sunlight.
- Avoid storing at temperature below 15°C and above 40°C
- Keep bucket lit tightly close to avoid ink from direct expose to air.

TOXICITY & HAZARD

CSC water-based PC color system is Azo free, which meets CSC E1 standard on all RSL. (Please refer SDS CSC Water-Based PC Color System for more information on product toxicity and hazard).



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OTHER IMPORTANT TIPS

- Stir well before every application to avoid inconsistent of color yield.
- Additional 2%-5% of Catalyst Binding Auxiliaries EV (CBA EV) or Catalyst Binding Auxiliaries NF (CBA NF) can be added into ink system for better fastness properties.
- If the inks viscosity reduce after loading higher dose of pigment, always adjust the viscosity back to printable condition by adding suitable thickener.

** ALWAYS PRETEST COLOR PERFORMANCE PROPERTIES BEFORE PRODUCTION. OBSERVATION UNDER HUMID AND PERIODICAL IF REQUIRED**

REFERENCES

- Light fastness test method: JIS-L-0842 (Carbon arc lamp), Evaluated 1-8
- Washing fastness test method: JIS-L-0844(A4), Evaluated 1-5
- Rubbing test method: JIS-L-0849, Evaluated 1-5
- Discharge agent test method Discharge with 5% Discharge Agent P, Evaluated 1-5
- Dry cleaning test method: JIS-L-860(P.C.E.), Evaluated 1-5

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