



XENNiA® Emerald

Pigment ink for textiles



working for you.

Product Profile:

Xennia Emerald PC is water-based pigmented ink developed to offer high performance and resistance when direct printing onto cotton, cotton blends and natural fibers.

The Xennia Emerald PC series is suitable for most printers using Kyocera and Epson piezo printheads (e.g. systems from MS Dover, EFI Reggiani, Mimaki - the suitability of the inks for individual machines and models needs however to be validated by the user)

Typical characteristics and features include:

- Superior color strength
- Excellent printability and open time
- Optimum fastness performance

Ink Installation: Unless Xennia Emerald PC is the first ink installed into the system, it is recommended to clean the ink line thoroughly using a recommended flush.

Printing: Before printing, fabrics should be pre-treated for pigment printing, recommended commercially available pre-treatments can be recommended. For optimal printing, the relative humidity rate must be kept at 50% or higher and the atmospheric temperature set to 20-25°C (70°F).

In periods where the printer is not in production, printheads should be capped at all times. If the inks dry in the nozzles, the normal cleaning procedure built into the printer should be applied. It is recommended to use Universal Flush WB first.

Fastness: Substrate: 100 % satin cotton pretreated usin Keojet PGT (CPL), printing resolution: 600 dpi, fixed at 165°C 2 minutes. All fastness properties measured at 100% coverage.

Product	Light*	Water	Washing	Persp.	Persp.	Rubbing	Rubbing
		(severe)	(60°C)	(acid)	(alkali)	(dry)	(wet)
	ISO 105	ISO 105	ISO 105	ISO 105	ISO 105	ISO 105	ISO 105
EMERALD PC	/B02	/E01	/C03	/E04	/E04	/X12	/X12
	100%/10%	ch./st.	ch./st.	-ch./st.	ch./st.	ch./st.	ch./st.
Yellow	6+ / 6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5	3
Magenta	6+ / 6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4	2-3
Red	6+ / 6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4	2-3
Cyan	6+ / 6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	3-4	2
Green	6+ / 5-6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5	3
Violet	6+ / 6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4	2-3
Black	6+ / 6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4	2
Grey	6+ / 5-6	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5 / 4-5	4-5	2-3

Fixation: The print is fixed thermally (oven or heat press) at 165°C for 90-150s depending on fabric weight and ink laydown. Sun Chemical can assist in finding optimum settings.

Available Inks:

Color	Product code	Color	Product code
C	548PIKY0.C01P	R	538PIKY1.C01P
M	538PIKY0.C01P	V	588PIKY0.C01P
Y	518PIKY0.C01P	Gr	558PIKY0.C01P
K	578PIKY0.C01P	G	578PIKY0L.C01P
F	Universal Flush WB		
F	Universal Flush WB	F	Parking Flush WB

Xennia Emerald PC inks are available in a standard pack size of 1kg and 5kg

Storage Considerations: Inks should be stored in a controlled environment at a temperature between 10-30°C. If stored under these recommended conditions, the inks have a shelf life of 12 (twelve) months.

Safety, Health and Environment: Xennia Emerald PC inks should be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Safety Data Sheet for specific information.

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