



XENNiA® Agate

Acid ink for Kyocera



working for you.

Product Profile:

Xennia Agate is a series of water-based inks developed to offer high performance for direct printing onto silk, polyamide and other nylon based substrates.

The Xennia Agate series is suitable for most printers using Kyocera piezo printheads (e.g. systems from MS Dover, EFI Reggiani, Atexco - 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 quality and performance
- Excellent printhead lifetime
- Reduced system maintenance
- Outstanding fastness including chlorine

Ink Installation: Unless Xennia Agate 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 acid dye fixation, recommended process is available. 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). After printing the fabric should be dried below 110°C before steaming.

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.

Fixation: To fix the print, the printed fabric should be steamed at high humidity at 102-104°C for about 30-45 minutes with subsequent wash-off (full process and washing recommendations available)

Available Inks:

Color	Product code	Color	Product code
C	X8474.BB66	R	X8486.BB64
M	X8482.BB64	O	X8484.BB64
Y	X8480.BB64	B	X8485.BB64
K	X8483.BB64	G	X8481.BB64
F	Universal Flush WB	F	Parking Flush WB

Xennia Agate inks are available in a standard pack size of 10kg

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 Agate 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.

Fastness: Substrate: 240 g/m², 100 % polyamide, Printing resolution: 600 dpi, steamed at 102°C 35 minutes. All fastness properties measured at 100% coverage.

Product	Light	Water (severe)	Washing (60°C)	Persp. (acid)	Persp. (alkali)	Rubbing (dry)	Rubbing (wet)
Xennia Agate KY	ISO 105 /B02	ISO 105 /E01 C4-5h4- 5./st.	ISO 105 /C06 ch./st.	ISO 105 /E04 ch./st.	ISO 105 /E04 ch./st.	ISO 105 /X12	ISO 105 /X12
Cyan	2	5/5	4-5/4-5	5/5	5/4-5	4-5	4-5
Magenta	5-6	5/4-5	4-5/5	4-5/4	5/4	4-5	4
Yellow	6-7	5/5	5/5	5/5	5/5	4-5	4-5
Black	6-7	5/5	5/5	5/4-5	5/4-5	4-5	4-5
Red	5	4-5/3-4	4/4-5	4-5/3-4	4-5/3	4-5	4
Orange	5-6	4/3-4	4/4-5	4/3-4	4/3	4-5	4
Blue	6	4-5/4-5	4/4-5	4/4-5	4-5/4-5	4-5	4-5
Grey	6-7	4-5/5	4/4-5	4-5/5	4-5/5	5	5

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