

efi *REGGIANI AQUA Premium*

Water-based Reactive Inks

for Digital Textile Printing

Boost your print capabilities with
our water-based ink technology



AQUA Premium reactive inks print brilliantly with EFI Reggiani digital printers

Outstanding printing results to boost your home-textile and fashion productions. Deliver incomparable shades and deep intensive colours to your most demanding customers.

These eco-friendly water-based inks are designed to leverage EFI™ Reggiani digital printers' performance. And like all of our inks, they've been designed for the Kyocera printhead technology, which ensures an extraordinary level of print durability, longer life of printheads, and reduced maintenance costs.



Integrated solution

- Strongest worldwide experience and knowledge
- Full technological support provided by EFI Reggiani
- Continuous quality control
- 12-month warranty on the printheads provided by EFI Reggiani

Technical information











- **Substrates**
 - Cotton, silk, viscose rayon, linen, and lyocell
- **Printhead compatibility**
 - Kyocera KJ4B
- **Jetting temperature**
 - 32°C
- **Recommended RH**
 - 50%–60%
- **Shelf life**
 - 12 months if stored under recommended conditions
- **Environmental conditions**
 - Clean and dry environment with controlled temperature between 10–30°C

Pretreatment process

Basic recipe

COMPONENT	g/l
Thickener (alginate)	100–150
Reduction inhibitor	10–20
Alkali (Na_2CO_3)	40
Hygroscopic agent (urea)	100–200

EFI Reggiani Aqua Premium inks are available in the following colours

 Aqua RA100K	 Aqua RA130Y	 Aqua RA140O	 Aqua RA160B	 Light Cyan RA180LC
 Aqua RA110C	 Aqua RA120M	 Aqua RA150R	 Aqua RA170G	 Light Magenta RA190LM

Application

- Great performance for both home-textile and fashion

Procedure

- Prepadding
- Drying (below 120°C)
- Printing
- Mild drying
- Steaming (102°C, 8–12 minutes)
- Wash-off (Cold → Hot → Warm → Cold)



Fastness Properties

*Certified by Centro Tessile Serico Spa Consortile, Como, Italy

Test*	Xenon Light ISO 105-B02 100%	Xenon Light ISO 105-B02 50%	Washing 100 °C ISO 105-C06	Water ISO 105-E01	Perspiration Acid ISO 105-E04	Perspiration Alkaline ISO 105-E04	Crocking Fastness: Dry ISO 105-X12	Crocking Fastness: Wet ISO 105-X12
Black	4	3	4-5	4-5	4-5	4-5	5	3-4
Cyan	5-6	5	4-5	4	4-5	4-5	4-5	3
Magenta	3-4	3-4	4-5	4-5	4-5	4-5	4-5	3
Yellow	6	5-6	4-5	4-5	4-5	4-5	5	4
Orange	4-5	3-4	4-5	4-5	4-5	4-5	4-5	3-4
Red	4	3-4	4-5	4-5	4-5	4-5	5	3
Blue	5-6	5	4-5	4-5	4-5	4-5	5	4
Grey	3-4	3	4-5	4-5	4	4-5	5	4-5

Please note that ink performances can vary according to the type of substrate used in the final application.



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EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalised documents, with a wide range of printers, inks, digital front ends, and a comprehensive business and production workflow suite that transforms and streamlines the entire production process, increasing your competitiveness and boosting productivity.

Visit www.efi.com/reggiani or call +39 035 3844511 for more information.



Nothing herein should be construed as a warranty in addition to the express warranty statement provided with EFI products and services.

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