

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 will 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**
 - Inks must be stored out of direct sunlight and away from heat sources

Pretreatment process

Basic recipe

COMPONENT	g/l
Thickener (alginate)	100–150
Reduction inhibitor	10–20
Alkali (Na ₂ CO ₃)	40
Hygroscopic agent (urea)	100–200

EFI Reggiani AQUA Premium inks are available in the following colours:

 Abs Black RA400K	 Black RA100K	 Yellow RA130Y	 Orange RA140O	 Blue RA160B	 Light Cyan RA180LC
 Cyan RA110C	 Magenta RA120M	 Red RA150R	 Grey RA171G	 Light Magenta RA190LM	 Extra Deeping

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*	Light Fastness ISO 105-B02 100%	Light Fastness ISO 105-B02 50%	Washing 60°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	4-5	4-5	4-5	4-5	3
Magenta	3-4	3-4	4-5	4-5	4-5	4-5	5	4
Yellow	6	5-6	4-5	4-5	4-5	4-5	4-5	3-4
Orange	4-5	3-4	4-5	4-5	4-5	4-5	4-5	3
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
Light Magenta	3	2-3	4-5	4-5	4-5	4-5	5	4
Light Cyan	4	3-4	4-5	4-5	4-5	4-5	5	3-4

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



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E1SM1LZF9 Centexbel

Textile and leather chemicals. Tested and verified

www.oeko-tex.com/ecopass

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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