

efi *REGGIANI BDR Diamond*

*Water-based Reactive Inks
for Digital Textile Printing*

Empower
your print
productivity



BDR reactive inks to boost your print performance

Deliver brilliant colors to meet specific needs of customers across a wide range of applications printed on cotton, silk, viscose rayon, linen, and wool fabrics. Choose the black you prefer among Black, Fashion Black, Master Black, and Ultra Black.

These eco-friendly water-based inks are designed to guarantee quality, consistency, and reliability, 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

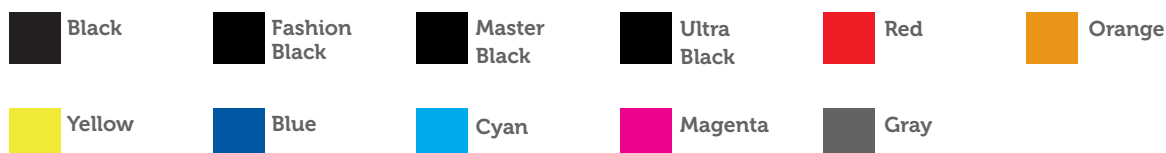
- **Substrates**
 - Cotton, silk, viscose rayon, linen, and lyocell
- **Printhead compatibility**
 - Kyocera KJ4B
- **Jetting temperature**
 - 89.6°F (32°C)
- **Recommended RH**
 - 50%–60%
- **Shelf life**
 - 12 months if stored under recommended conditions
- **Environmental conditions**
 - Inks must be stored out of direct sunlight and away from heat sources

Pretreatment process

Basic recipe

COMPONENT	g/l
Thickener (alginate)	3.53–5.29 (100–150)
Reduction inhibitor	0.35–0.71 (10–20)
Alkali (Na ₂ CO ₃)	0.71–0.88 (40)

EFI Reggiani BDR Diamond inks are available in the following colors:



Application

- Great performance for both home textile and fashion

Procedure

- Prepadding
- Drying (below 248°F [120°C])
- Printing
- Mild drying
- Steaming (216°F [102°C], 8–12 minutes)
- Wash-off (Cold→Hot→Warm→Cold)

Fastness properties

Test	Light Fastness ISO 105-B02 100%	Washing 140°F (60°C) ISO 105-C06	Water ISO 105-E01	Perspiration Acid ISO 105-E04	Perspiration Alkaline ISO 105-E04	Crocking Fastness ISO 105-X12
Black	6	4-5	4-5	4-5	4-5	4-5
Cyan	6	4-5	4	4-5	4-5	4-5
Magenta	5	4-5	5	5	5	4-5
Yellow	6	5	4-5	4-5	4-5	5
Orange	5-6	4-5	4-5	4-5	4	4-5
Red	5	5	4-5	5	4	4-5
Blue	6	5	4-5	4-5	4	4-5
Gray	6	5	4-5	4-5	4	4-5
Master Black	6	5	4-5	4-5	4	4-5
Fashion Black	6	5	4-5	4-5	4	4-5
Ultra Black	6	5	4-5	4-5	4	4-5

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

EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalized 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 or call 650-357-3500 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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