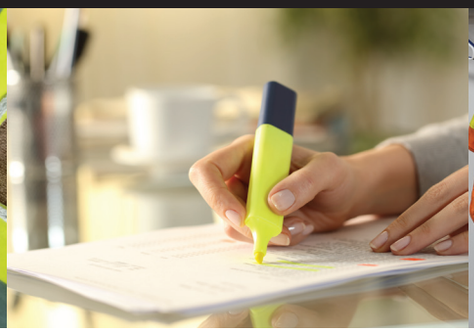
Quaker Color

BRF-F Series



QUAKER COLOR™ BRF-F Series dispersions are fluorescent pigment based, resin-free, water-based, low-VOC and APE-free. They are designed to be used in waterborne or water reducible industrial and architectural coatings, and inks. These dispersions are resin-free, they are compatible with most water-based applications.

- **Full line of fluorescent pigments**
- **Low-VOC and APE-free**
- **Excellent stability**

Technology

QUAKER COLOR™ BRF-F Series dispersions are surfactant based. They have been developed with a high-performance dispersing package designed for industrial coatings. They are glycol-free and as such will have minimal influence on coating properties like gloss, hardness, moisture resistance, and rheology.

Pigmentation

The BRF-F series contains the full line of fluorescent pigments at around 45% pigmentation.

Volatiles

The QUAKER COLOR™ BRF-F Series are low-VOC (<20g/l) waterborne dispersions. A small amount of monoethanolamine is added for pH adjustment. This results in better coating property retention than using caustic potash which is typically used in low-VOC waterborne dispersions. It does contribute to the total amount of VOC.

Applications

The QUAKER COLOR™ BRF-F Series of dispersions is formulated to be used in places where fluorescence is needed for extra visibility. It can be used in architectural as well as industrial coatings at up to 10% addition.

Compatibility

The BRF-F Series dispersions are compatible in most waterborne and water-reducible coating types like acrylic, styrene acrylic, alkyd emulsion, PUD urethane, vinyl acrylic, epoxy, and 2k urethane.

Use

BRF-F Series colorants are stir-in grades. They should be added under mild agitation. Store at room temperature; prevent from freezing.

Quaker Color is happy to develop custom colors or resin systems. Please contact your local representative concerning minimum quantities and turn-around times.

QUAKER COLOR™ BRF-F Series

Fluorescent ■ Resin-Free ■ Low-VOC ■ Waterborne

Code	Description	Light Fastness					Chemical Fastness					Composition by weight [%]			VOC
		WPG [LB./ Gal.]	Density [g/ml]	Masstone	Tint	Temperature Resistance [°C]	Acid	Alkaline	MEK	Mineral Spirits	Xylene	Pigment Solids	Vehicle Solids	Volatiles	[g/l]
BRF-FB-1856	Fluorescent Blue	9.18	1.10	2	-	150	3	5	4-5	5	4-5	45	6.5	48.5	14
BRF-FG-1853	Fluorescent Green	9.18	1.10	2	-	150	3	5	4-5	5	4-5	45	6.6	48.4	14
BRF-FLY-1851	Fluorescent Lemon Yellow	9.32	1.12	2	-	150	3	5	4-5	5	4-5	45	7.1	47.9	14
BRF-FO-1855	Fluorescent Orange	9.28	1.11	2	-	150	3	5	4-5	5	4-5	44	6.5	49.5	15
BRF-FOR-2194	Fluorescent Orange Red	9.18	1.10	2	-	150	3	5	4-5	5	4-5	45	6.7	48.3	10
BRF-FP-1854	Fluorescent Pink	9.18	1.10	2	-	150	3	5	4-5	5	4-5	45	6.6	48.4	14
BRF-FR-1852	Fluorescent Red	9.18	1.10	2	-	150	3	5	4-5	5	4-5	45	6.6	48.4	14

BRF-FB-1856 Fluorescent Blue
BRF-FG-1853 Fluorescent Green
BRF-FLY-1851 Fluorescent Lemon Yellow
BRF-FO-1855 Fluorescent Orange
BRF-FOR-2194 Fluorescent Orange Red
BRF-FP-1854 Fluorescent Pink
BRF-FR-1852 Fluorescent Red

Lightfastness is on a scale from 1-8 with 1 being worst and 8 being best
Chemical fastness is on a scale from 1-5 with 1 worst and 5 best

* VOC is based on calculations. Traces of VOC might be present in “Zero”- VOC dispersions

Quaker Color manufactures all its products under carefully controlled conditions to meet rigid specifications. The values given in this publication are typical values intended as guidelines for the use of the products, they are not specifications. It is the user’s responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. sShould you require the actual specifications currently enforced on specific products contact your Quaker Color representative for the appropriate information.

For more information on our products and services please contact
inquiries@quakercolor.com
or Sales and Customer Service: (215) 536-3520

Web Site:
quakercolor.com