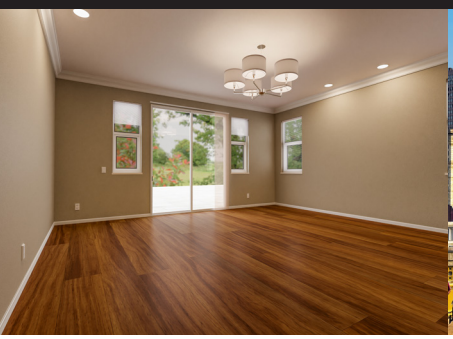
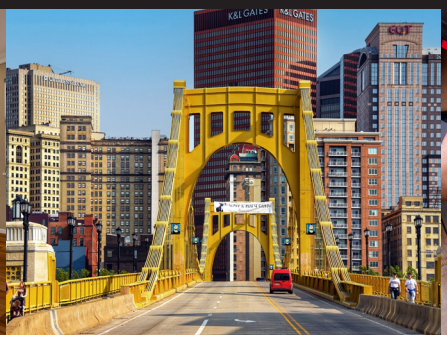
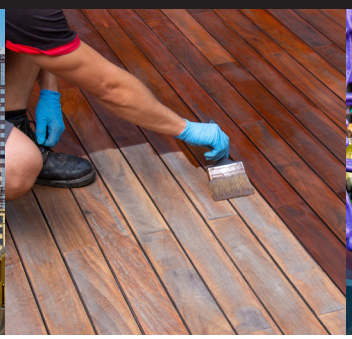
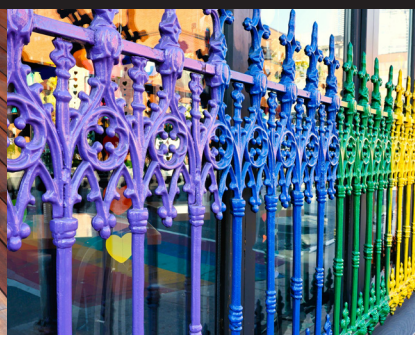
Quaker Color

RF Series

QUAKER COLOR™ RF Series dispersions are resin-free, water-based, and APE-free. They are designed to be used in waterborne or water-reducible industrial and architectural coatings, inks, and stains. RF Series dispersions are pourable while being formulated with high pigment loadings. These dispersions are resin-free, they are compatible with most water-based applications.

- **Cost effective**
- **APE-and biocide-free, VOC (<250 g/l)**
- **Excellent open time**

Technology

QUAKER COLOR™ RF Series dispersions are based on a dispersant package developed for industrial coatings. They contain 5-7% of propylene glycol for better open time characteristics. Due to the small amount of solvent the RF Series is biocide free. They have been developed with a high-performance dispersing package designed for industrial coatings.

Pigmentation

The pigments used in the RF Series were specifically selected to provide excellent light and weather fastness for the most demanding exterior applications. Due to their high concentration, they provide excellent hiding in masstone applications and only require a small amount of pigment dispersion in tint type applications.

Volatiles

The QUAKER COLOR™ RF Series dispersions contain 5-7% propylene glycol and water. The propylene glycol contributes to the VOC content.

Applications

QUAKER COLOR™ RF Series dispersions are designed for in-plant tinting of waterborne products, their use is recommended in, but not limited to industrial coatings, furniture finishes, architectural coatings, wood coatings, enamels and waterborne caulks and grouts.

Compatibility

The RF 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

RF 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

QUAKER COLOR™ RF Series

Resin-Free ■ APE-Free ■ Low-VOC ■ Waterborne

Code	Description	P.I. Number	Light Fastness				Chemical Fastness									Composition by Weight [%]			VOC
			WPG [LB./ Gal.]	Density [g/ml]	Masstone	Tint	Temperature Resistance [°C]	Acid	Alkaline	Butanol	Butyl Glycol	Butyl Acetate	MEK	Mineral Spirits	Xylene	Pigment Solids	Vehicle Solids	Volatiles	[g/l]
RF-B154-2596	Phthalo Blue	PB 15:4	9.06	1.09	8	7-8	200	5	5	4-5	4-5	4-5	4-5	5	5	40.0	6.1	53.9	140
RF-BK7-2597	Carbon Tinting Black	PBk 7	9.67	1.16	8	8	200	5	5	5	5	5	5	5	5	36.0	2.1	61.9	225
RF-BNS7-2598	Burnt Umber	PBr 7	11.75	1.41	8	7-8	200	5	5	5	5	5	5	5	5	40.0	7.5	52.5	193
RF-BNU7-2599	Raw Umber	PBr 7	11.75	1.41	8	7-8	200	5	5	5	5	5	5	5	5	40.0	7.5	52.5	193
RF-BNU7-2600	Raw Umber	PBr 7	11.71	1.40	8	7-8	200	5	5	5	5	5	5	5	5	40.0	7.5	52.5	192
RF-G7-2601	Phthalo Green (BS)	PG 7	9.66	1.16	8	7-8	200	5	5	5	4	5	5	5	5	40.0	6.1	53.9	214
RF-O34-2603	Diarylide Orange	PO 34	9.14	1.10	6-7	5-6	200	5	5	5	4-5	4	3-4	4-5	3	40.0	6.1	53.9	142
RF-O5-2602	Permanent Orange 2G	PO 5	8.59	1.03	5-6	5	160	5	5	3	3-4	2-3	2	4	2	40.0	6.1	53.9	125
RF-R101-2604	Red Iron Oxide	PR 101	15.59	1.87	8	7-8	200	5	5	5	5	5	5	5	5	60.0	6.4	33.6	243
RF-RT101-2678	Transparent Red Oxide	PR 101	12.07	1.45	8	7-8	200	5	5	5	5	5	5	5	5	40.0	7.5	52.5	203
RF-R170-2605	Naphthol Red F5RK	PR 170	9.28	1.11	5-6	4-5	160	5	5	4	4	4	3	5	4-5	40.0	6.1	53.9	147
RF-V19-2606	Quinacridone Violet (YS)	PV 19	9.38	1.12	7-8	7-8	200	5	5	5	4	5	5	5	5	36.0	6.1	57.9	166
RF-V19BS-2607	Quinacridone Violet (BS)	PV 19	9.34	1.12	7-8	7	200	5	5	4-5	4	5	5	5	5	36.0	6.1	57.9	165
RF-W6-2608	TiO2 White	PW 6	19.27	2.31	8	8	200	5	5	5	5	5	5	5	5	75.0	3.4	21.6	222
RF-W6-2607	TiO2 White (non-chalking)	PW 6	19.29	2.31	8	8	200	5	5	5	5	5	5	5	5	75.0	2.0	23.0	215
RF-Y151-2613	Benzimidazolone Yellow	PY 151	9.56	1.15	7-8	7	200	5	3-4	4-5	4	4-5	4-5	5	4-5	40.0	6.1	53.9	156
RF-Y42-2609F	Yellow Iron Oxide	PY 42	15.45	1.85	7-8	7-8	180	5	5	5	5	5	5	5	5	60.0	4.5	35.5	222
RF-YT42-2753	Transp.Yellow Oxide	PY 42	12.07	1.45	7-8	7-8	180	5	5	5	5	5	5	5	5	40.0	7.5	52.5	203
RF-Y74-2611	Arylide Yellow (GS)	PY 74	9.24	1.11	7-8	5-6	140	5	5	3-4	3-4	3	3	4	2-3	40.0	7.3	52.7	141
RF-Y83-2612	Diarylide Yellow	PY 83	9.42	1.13	7	5-6	180	4-5	5	4-5	4-5	4-5	3-4	5	3-4	40.0	7.3	52.7	151

RF-B154-2596 Phthalo Blue

RF-BK7-2597 Carbon Tinting Black

RF-BNS7-2598 Burnt Umber

RF-BNS7-2599 Raw Umber

RF-BNU7-2600 Raw Umber

RF-G7-2601 Phthalo Green (BS)

RF-O34-2603 Diarylide Orange

RF-O5-2602 Permanent Orange 2G

RF-R101-2604 Red Iron Oxide

RF-RT101-2678 Transparent Red Oxide

RF-R170-2605 Napthol Red

RF-V19-2606 Quinacridone Violet (YS)

RF-V19-2607 Quinacridone Violet (BS)

RF-W6-2608 TiO2 White

RF-W6-2607 TiO2 White Non-chalking

RF-Y151-2613 Benzimidazolone Yellow

RF-Y42-2609F Yellow Iron Oxide

RF-YT42-2753 Transparent Yellow Oxide

RF-Y74-2611 Arylide Yellow (GS)

RF-Y83-2612 Diarylide Yellow

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.

Quaker Color

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Web Site:

quakercolor.com