



UCD™ COLORANTS Q LINE

INTRODUCTION

UCD™ Q colorants are employed in all types of water-based coating systems.

The products in this series offer a combination of high quality, efficiency, and compatibility with all kinds of coating binders. They are extremely well-suited to use in marine, industrial maintenance, retail sales, and high-performance coatings applications.

UCD Q colorants also provide significant economic advantages. Because they are compatible with all major classes of water-based paint chemistries, they allow the coating manufacturer to reduce his or her supplies of colorants. Some manufacturers have been able to save as much as 80% in inventory and storage space requirements. Q colorant users have also been able to reduce production time and increase equipment utilization.

Q line pigments are 100% pure (no extenders). They represent a good balance of high performance and Other desirable attributes of Q colorants are as follows:

- low volatile organic compound (VOC) levels
- not Red Label
- low vehicle-to-pigment ratios for tinting or total pigmentation
- excellent shelf stability

COMPATIBILITY

- water-soluble alkyds
- acrylics
- water-reducible polyester/epoxies
- urethanes
- acrylic/PVAs

CHEMISTRY

The Q colorant vehicle is an alkali soluble acrylic polymer. The acrylic resin is neutralized with dimethyl ethanol amine.

Only prime pigments are included in this line's color spectrum; no extenders are present. Dedicated processing with state-of-the-art equipment assures lot-to-lot consistency in color and strength.

Butyl Cellosolve (Glycol Ether EB) is the co-solvent that is used in this line. For the colorants that are denoted with a "W", the co-solvents are mineral spirits and m-pyrol.

PROPERTIES

Color strength is maintained within a tolerance of $\pm 3\%$ on a weight basis by means of a computer-interfaced spectrophotometer cost-effectiveness in a wide range of applications.

To provide a high-performance end product, our Q production process and proprietary methacrylate vehicle were developed to generate colorants that provide maximum pigment wetting without any adverse effect on film integrity.

HANDLING AND STORAGE

Proper handling is essential to maintain good quality. It is recommended that the colorants be mixed prior to use. Containers should be tightly sealed when not in use. Repacking the colorant into a smaller container should be considered if the colorant level in the container is less than 20% of the original amount and will be stored for an extended period of time.

Shelf life on the Q line colorants is generally 2 years from the date of manufacture.



Plasticolors, Inc.

			COMPOSITION									PIGMENT PERFORMANCE							
		Index	% Pigment		% Vehicle Solids		% VOC		% Water		Theo. Density	Lightfastness		Bleeding				Resistance	
Code	Color	Name	Wt	Vol	Wt	Vol	Wt	Vol	Wt	Vol	Lb/Gal	Mass	Tint	Oil	Spirits	Toluene	Lacquer	Acid	Alkali
1072	Micronized Titanium Dioxide	Wh 6	52.5	21.5	6	8.9	7.4	13.7	34.1	55.9	13.66	E	E	N	N	N	N	E	E
1106	Titanium White	Wh 6	65.0	31.5	6.7	11.7	8.2	17.9	20.1	38.9	16.14	E	E	N	N	N	N	E	E
1507	Carbon Black	Bk 7	14.3	8.4	11.6	11.2	13.5	16.1	60.6	64.3	8.84	E	E	N	N	N	N	E	E
1625	Lampblack	Bk 7	14.5	8.7	11.5	11.0	12.7	14.3	61.3	66.0	8.97	E	E	N	N	N	N	E	E
1635	Medium Color Black	Bk 7	19.5	11.8	11.9	11.7	12.5	15.4	56.1	61.1	9.09	E	E	N	N	N	N	E	E
4820	Phthalo Blue GS	Bl 15:3	20.0	14.4	12.3	11.0	12.5	15.1	55.2	59.5	8.98	E	E	N	N	N	N	E	E
4830	Phthalo Blue RS	Bl 15:2	21.0	13.8	11.4	12.0	12.4	18.6	55.2	55.6	8.94	E	E	N	N	N	N	E	E
5100	Chrome Oxide Green	G 17																	
5150	Phthalo Green BS	G 7	25.0	13.6	9.7	10.0	11.6	15.0	53.7	61.4	9.53	E	E	N	N	N	N	E	E
5166	Phthalo Green YS	G 36	26.5	11.7	11.6	12.5	14.0	18.8	47.9	57.0	9.92	E	E	N	N	N	N	E	E
5675	Diarylide Yellow	Y 14	21.0	15.3	10.4	9.9	12.3	14.8	56.3	60.0	8.88	G	F	N	N	N	N	E	E
5696	Organic Yellow	Y 151	30.0	22.4	8.8	8.7	10.8	13.5	50.4	55.4	25187.00	E	E	N	N	N	N	E	G
5740	High-Strength Yellow	Y 83	15.0	11.1	11.1	10.4	13.3	15.5	60.6	63.0	8.67	G	G	N	N	N	S	E	E
5750	Yellow Oxide	Y 42	45.0	16.6	10.9	14.8	14.3	24.0	29.8	44.6	12.47	E	E	N	N	N	N	E	E
5767	Paliotol Yellow	T 153	22.7	15.3	10.0	9.8	12.0	14.7	55.3	60.2	9.07	E	E	N	S	C	N	F	F-P
5832	Raw Umber	Br 7	32.0	11.9	11.9	14.3	9.8	14.2	46.3	59.6	10.73	E	E	N	N	N	N	E	E
5861	Burnt Umber	Br 7	35.0	13.0	7.8	9.0	8.1	12.6	49.1	65.4	11.10	E	E	N	N	N	N	E	E
5891W	Transparent Red Oxide	R 101	35.0	10.4	8.1	10.1	13.6	20.7	43.3	58.8	11.33	E	E	N	N	N	N	E	E
5940	DNA Orange	O 5	25.2	18.0	12.5	12.0	14.4	17.7	47.9	52.3	9.11	G	F	S	S	C	C	E	E
6012	Organic Orange	O 34	22.3	17.2	12.1	10.7	12.1	14.6	53.5	57.5	8.96	G	F	N	N	S	N	E	E
6080	Red Oxide	R 101	55.5	20.2	9.0	14.2	10.5	21.0	25.0	44.6	14.86	E	E	N	N	N	N	E	E
7942	Toluidine Red	R 3	25.0	18.7	9.9	9.7	12.2	14.8	52.9	56.8	8.95	E	F	C	C	C	C	E	E
7949	Organic Red	R 170	25.0	19.0	9.8	9.5	11.7	14.1	53.5	57.4	8.95	E	G	N	N	N	N	E	E
7975	Fast Red	R 187	14.0	10.0	11.1	10.4	13.3	15.6	61.6	64.0	8.66	E	G*	N	N	N	N	E	E
8030	Quinacridone Red	V 19	17.0	11.9	10.7	10.2	12.9	15.3	59.4	62.6	8.78	E	E	N	N	N	N	E	E
8443	Quinacridone Violet	V 19	15.0	10.5	11.0	10.3	13.2	15.6	60.8	63.6	8.72	E	E	N	N	N	N	E	E

The performance data shown in this table are taken from the pigment suppliers' literature: E=Excellent, G=Good, F=Fair, S=Slight, C=Considerable, P=Poor, N=None

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

