

In-plant Colorants

Color Solutions

Colortrend® 877

Colortrend 877 color dispersions are high-strength, pourable color pastes recommended for in-plant tinting of emulsion and water-based paints. All colorants have a 6 minimum fineness of grind (Hegman gauge) which makes Colortrend 877 dispersions are exceptionally suitable for the tinting of latex paints. They can also be used for the economical formulation of deep accent paints, thus avoiding the grinding of dry pigment.

Colortrend 877 dispersions contain a broad color spectrum, selected to satisfy all the tinting needs of the manufacturer and contractor.

General information

Chemistry and compatibility

Colortrend 877 dispersions are compatible with all types of latices such as:

- Semi-gloss and gloss latices
- Polyvinyl acetate
- Alkyd resin emulsions
- Acrylics
- Water type coatings
- Vinyl acetate – ethylene copolymers
- Alkyd modified latices
- Styrene butadine

Other uses

Colortrend 877 dispersions can be used in many types of emulsion products requiring coloring. For example: aqueous graining inks, wax emulsions for lumber marking, leather and floor polish, latex adhesives, coated papers, Christmas tree coloring, grass paints, emulsion fabric coatings, leather coatings, rubber latex compounds, aqueous plastics and foams, and artists' paints.

Permanence

The pigments used in Colortrend 877 colorants were selected to provide a wide range of hues, good durability, lightfastness and alkali resistance. However, the lightfastness, alkali resistance and weathering properties of pigments (particularly organic reds and yellows) depend a great deal on the coatings, substrate and application conditions. For positive verification of lightfastness and durability, we recommend that the colorants be tested under accelerated or actual weathering conditions in the coating system and on the substrates where they will be employed.

High solar exposure

When formulating with Colortrend 877 colorants, consideration must be given to special circumstances of use and their effect on colorant durability. Examples of such conditions are: tropical or subtropical climates, deserts and ocean-fronting locations. In each of these instances the solar radiation received is significantly greater than most environments. The use of organic pigments in these situations should be considered only after careful evaluation of the fastness of the colorant vehicle combination to ensure it will meet the expected performance. The most reliable method of testing is to expose the coating under the expected conditions of use.



Product code	Description	Typical Lbs/Gal	Specific gravity	Composition by weight			Composition by volume			VOC	
				Pigment solids	Vehicle solids	Volatiles	Pigment solids	Vehicle solids	Volatiles	Lbs/Gal	g/L*
877-0019	Titanium white	16.9	2.03	67.6	8.8	23.6	35.5	17.7	46.9	2.1	246
877-0451	Quinacridone red	10.7	1.28	39.4	15.1	45.5	24.2	19.0	56.8	2.0	245
877-0548	Indian red	19.2	2.30	68.4	10.5	21.2	29.8	23.4	46.8	2.1	250
877-0578	Organic red	10.2	1.22	49.4	7.7	42.9	42.6	5.6	51.8	2.8	330
877-0726	Toluidine red b/s	9.3	1.12	21.5	10.6	67.9	16.1	11.4	72.5	3.5	425
877-0787	Fast red	11.0	1.35	33.1	18.1	48.8	17.6	23.6	58.8	4.9	584
877-0801	Napthol red	9.6	1.16	40.0	0.7	59.3	31.8	0.8	67.5	1.5	182
877-0925	Dinitro orange	10.3	1.22	45.0	8.2	46.8	36.4	9.6	54.0	2.1	249
877-1035	Red oxide	17.1	2.07	62.5	10.0	27.5	24.6	20.2	55.2	2.1	252
877-1107	Burnt sienna	14.7	1.72	57.2	9.0	33.9	24.8	15.8	59.4	2.1	254
877-1314	Burnt umber	14.3	1.70	56.0	10.4	33.6	29.2	16.8	54.0	1.8	218
877-1403	Light raw umber	14.9	1.75	56.9	9.1	34.0	30.0	15.1	54.9	2.3	274
877-1573	Brown oxide	15.6	1.86	59.1	7.8	33.1	24.4	14.4	61.2	2.3	279
877-1703	Tan	14.7	1.72	56.8	9.8	33.4	26.7	16.9	56.4	2.1	254
877-1811	Yellow oxide	14.8	1.81	56.5	8.5	35.1	25.5	14.8	59.7	2.6	307
877-1812	Yellow oxide	16.4	1.98	62.7	8.6	28.7	30.1	16.2	53.7	1.8	210
877-2010	Raw umber	13.4	1.64	55.3	12.1	32.7	28.3	19.4	52.3	1.7	198
877-2020	L/f medium yellow	10.3	1.24	41.2	11.3	47.6	33.5	13.3	53.2	3.6	437
877-2066	Medium azo yellow	9.6	1.16	34.6	6.7	58.7	25.2	7.8	67.1	1.9	224
877-2501	Med. Perma-cal yellow	10.6	1.27	43.8	11.8	44.4	36.0	13.7	50.3	1.9	226
877-2505	Hi tint azo yellow	9.5	1.13	28.0	8.9	63.1	20.4	10.0	69.7	1.9	225
877-2528	Hansa yellow	11.3	1.37	48.3	10.9	40.8	28.2	25.8	46.0	2.3	270
877-2530	L/f light yellow	11.9	1.42	46.2	11.4	42.4	31.0	15.5	53.5	4.2	501
877-2553	Hi-strength yellow	10.2	1.20	51.4	7.9	40.7	41.2	9.6	49.2	1.7	201
877-2554	Hi-strength yellow	9.5	1.25	36.7	5.6	57.7	29.2	6.2	64.6	1.0	118
877-2823	Hansa yellow 10g	11.3	1.37	49.7	7.2	43.1	34.6	9.4	55.9	2.2	261
877-4206	Chromium oxide	17.0	2.04	64.0	7.1	28.9	25.6	14.8	59.6	2.7	329
877-5513	Phthalo green	11.2	1.32	42.5	7.6	49.9	25.3	9.9	64.8	2.2	258
877-7027	Phthalo blue g/s	9.6	1.13	24.4	10.2	65.5	16.9	11.2	72.0	1.6	194
877-7034	Phthalo blue i/s	9.7	1.16	39.3	7.0	53.8	28.5	8.3	63.2	1.9	228
877-7227	Phthalo blue	9.4	1.09	43.1	15.8	41.1	32.0	19.7	48.3	0.8	101
877-7505	Ultramarine blue	13.1	1.56	60.0	8.6	31.4	39.0	13.2	47.8	2.0	241
877-8895	Carbazole violet	11.0	1.30	33.0	18.4	48.6	16.8	24.1	59.1	4.4	531
877-9908	Lamp black	10.9	1.30	46.0	9.3	44.8	32.4	11.7	55.9	2.3	270
877-9910	Hi-strength black	10.8	1.30	45.0	8.6	46.5	32.0	10.9	57.2	2.6	308
877-9918	Tinting black	10.8	1.30	45.0	8.9	46.1	31.6	11.2	57.3	2.3	281
877-9921	Econo black	10.6	1.27	44.1	4.0	52.0	30.5	4.9	64.6	2.2	269
877-9940	Stain black	10.1	1.21	31.7	11.7	56.6	27.3	8.5	64.2	2.7	325
877-9998	Carbon black	10.5	1.27	40.0	7.0	53.1	27.3	8.5	64.2	2.7	325

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