

# PanTINT® 18 Series

## Chip Dispersions for Waterborne Coatings and Inks

High strength 100% solid colorants with broad compatibility in a wide variety of conventional, low and zero VOC water based coatings and inks. Pigments used in PanTINT 18 Series have been selected to meet the durability and transparency requirements of most high performance applications.

## Recommended Use

PanTINT 18 Colorants can be used for tinting and masstone applications in most waterborne ambient cured and baking finishes including:

- Appliance Finishes
- Machinery and Implement Enamels
- Wood Finishes
- Aerosol Paints
- Marine Coatings
- Adhesive Tapes
- Industrial Maintenance Coatings
- Water Gravure Inks
- Transportation Coatings
- Automotive Refinish Coatings
- Aerospace Coatings

## Compatibility

- **Water Reducible**
    - Acrylic
    - Polyester
    - 2K Polyurethane
  - **Emulsion**
    - Acrylic
    - Polyvinyl Acrylic
    - Styrene Butadiene
- Alkyd  
Epoxy
- Styrene Acrylic  
Polyvinyl Acetate  
Polyurethane PUD

## Typical Values

STANDARD PRODUCT DESCRIPTION			COMPOSITION % BY WEIGHT		COMPOSITION % BY VOLUME		DENSITY	
Code	Pigment	CI Name	Pigment	Vehicle	Pigment	Vehicle	lb/gal	Sp. Gr.
18B1252	Phthalo Blue RS	B 15:2	53.0	47.0	44.1	55.9	11.32	1.36
18B1203	Phthalo Blue GS	B 15:3	54.0	46.0	46.5	53.5	11.17	1.34
18G1701	Phthalo Green	G 7	54.0	46.0	39.1	60.9	12.73	1.53
18K1302	Masstone Black	Bk 7	52.5	47.5	41.0	59.0	11.85	1.42
18K1331	High Jet Black	Bk 7	31.0	69.0	22.2	77.8	10.83	1.30
18K1366	Tinting Black	Bk 7	52.5	47.5	41.0	59.0	11.85	1.42
18Q1964	Diarylide Orange	OR 34	53.0	47.0	47.6	52.4	10.61	1.27
18R1654	Lithol Rubine	R 57:1	59.0	41.0	49.6	50.4	11.70	1.40
18R1658	Red Oxide Medium Dark	R 101	56.7	43.3	24.9	75.1	16.64	1.99
18R1657	Transparent Red Oxide	R 101	56.7	43.3	27.7	72.3	15.99	1.92
18R1661	Napthol Red BS	R 170	53.0	47.0	48.4	51.6	10.42	1.25
18R1667	Napthol Red YS	R 170	56.7	43.3	27.1	72.9	10.65	1.28
18V1901	Carbazole Violet	V 23	54.0	46.0	47.1	52.9	10.99	1.32
18W1162	Titanium Dioxide	WH 6	57.7	43.3	27.1	72.9	16.13	1.93
18W1168	Titanium Dioxide-Chalk Resistant	WH 6	57.7	43.3	27.4	72.6	16.07	1.93
18Y1456	Yellow Oxide	Y 42	56.7	43.3	26.6	73.4	16.24	1.95
18Y1455	Transparent Yellow Oxide GS	Y 42	56.7	43.3	28.2	71.8	15.90	1.91
18Y1408	Diarylide Yellow RS	Y 83	53.0	47.0	48.5	51.5	10.48	1.26
18Y1435	Isoindolinone Yellow	Y 110	49.0	51.0	37.6	62.4	11.72	1.40
18Y1460	Hansa Yellow	Y 74	53.0	47.0	48.4	51.6	10.43	1.25
18Y1463	AAOT Yellow	Y 14	53.0	47.0	26.6	73.4	10.60	1.27

## Incorporation

PanTINT 18 Colorants are based on a water soluble acrylic resin. They are easily incorporated in aqueous systems with pH above 9. Simple stirring is often sufficient for complete solution of the acrylic vehicle. Vigorous agitation and elevated temperatures may increase the speed of solution.

Technical information regarding the composition, properties or use of products described herein is believed to be reliable. However, no representation or warranty is made with respect thereto except as made by Pan Technology in writing at the time of sale. Tests should be carried by qualified personnel and performance should be verified to insure suitability prior to use. Technical information regarding the composition, properties or use of products described herein is believed to be reliable. However, no representation or warranty is made with respect thereto except as made by Pan Technology in writing at the time of sale. Tests should be carried by qualified personnel and performance should be verified to insure suitability prior to use.



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