

# PanTINT® 94 Series

Aqueous Pigment Dispersions for High Performance Paints and Coatings

High strength, APE free colorants with compatibility in a wide variety of conventional, low and zero VOC\* water based systems. Easy to use PanTINT 94 Colorants are based on a proprietary combination of surface active agents resulting in exceptional system compatibility. They have little or no effect on viscosity, gloss, cure time, resistance to water spotting or exterior durability. They will not support the growth of microorganisms.

## Recommended Use

PanTINT 94 Colorants can be used for both tinting and masstone applications in most aqueous ambient cured and baking finishes including:

- Architectural coatings
- Machinery and Implement enamels
- Wood Finishes
- Appliance finishes
- Aerosol paints
- Aerospace coatings
- Maintenance coatings
- Rubber latex
- Pressure sensitive adhesives

## Compatibility

### Water Reducible

- Acrylic
- Alkyd
- Polyester
- Two-Component Epoxy
- Two-Component Polyurethane

### Emulsion

- Acrylic
- Styrene Acrylic
- Polyvinyl Acrylic
- Polyvinyl Acetate
- Styrene Butadiene
- Polyurethane PUD



## Typical Values

| STANDARD PRODUCT DESCRIPTION |                                  |         | COMPOSITION % BY WEIGHT |         |           | COMPOSITION % BY VOLUME |         |           | DENSITY |         | VOC less Water |      |
|------------------------------|----------------------------------|---------|-------------------------|---------|-----------|-------------------------|---------|-----------|---------|---------|----------------|------|
| Code                         | Pigment                          | CI Name | Pigment                 | Vehicle | Volatiles | Pigment                 | Vehicle | Volatiles | lb/gal  | Sp. Gr. | lb/gal         | gr/l |
| 94B1218                      | Phthalo Blue RS, NCF             | B 15:2  | 34.3                    | 6.3     | 59.4      | 22.5                    | 6.6     | 70.9      | 9.92    | 1.19    | <0.05          | <5   |
| 94B1251                      | Phthalo Blue RS                  | B 15:1  | 35.0                    | 6.9     | 58.1      | 25.2                    | 7.1     | 67.7      | 9.71    | 1.16    | <0.05          | <5   |
| 94B1293                      | Phthalo Blue GS                  | B 15:3  | 35.0                    | 6.9     | 58.1      | 26.0                    | 7.0     | 67.0      | 9.60    | 1.15    | <0.05          | <5   |
| 94G1735                      | Phthalo Green                    | GR 7    | 35.0                    | 6.9     | 58.1      | 20.3                    | 7.6     | 72.1      | 10.35   | 1.24    | <0.05          | <5   |
| 94K1390                      | Tinting Black                    | BK 7    | 35.0                    | 7.7     | 57.3      | 23.2                    | 8.1     | 68.7      | 9.98    | 1.20    | <0.05          | <5   |
| 94K1308                      | Masstone Black                   | BK 7    | 30.0                    | 7.8     | 62.2      | 19.4                    | 8.1     | 72.5      | 9.71    | 1.16    | <0.05          | <5   |
| 94K1304                      | High Jet Black                   | BK 7    | 12.5                    | 7.9     | 79.4      | 7.4                     | 7.5     | 85.1      | 8.90    | 1.07    | <0.05          | <5   |
| 94Q1906                      | Diarylide Orange                 | OR 34   | 40.0                    | 6.9     | 53.1      | 32.0                    | 7.1     | 60.9      | 9.56    | 1.15    | <0.05          | <5   |
| 94R1696                      | Red Oxide Light                  | R 101   | 60.0                    | 8.7     | 31.3      | 23.5                    | 15.1    | 61.4      | 16.32   | 1.96    | <0.05          | <5   |
| 94R1607                      | Red Oxide Medium                 | R 101   | 60.0                    | 8.7     | 31.3      | 25.4                    | 14.8    | 59.8      | 15.92   | 1.91    | <0.05          | <5   |
| 94R1665                      | Transparent Red Oxide            | R 101   | 22.0                    | 10.0    | 68.1      | 6.0                     | 10.7    | 83.3      | 10.19   | 1.22    | <0.05          | <5   |
| 94R1612                      | Naphthol Red BS                  | R 170   | 32.0                    | 6.8     | 61.2      | 28.2                    | 6.5     | 65.3      | 8.90    | 1.07    | <0.05          | <5   |
| 94R1672                      | Naphthol Red YS                  | R 188   | 34.0                    | 6.9     | 59.1      | 26.6                    | 6.9     | 66.5      | 9.38    | 1.12    | <0.05          | <5   |
| 94V1871                      | Carbazole Violet                 | V 23    | 20.0                    | 6.9     | 73.1      | 14.4                    | 6.6     | 79.0      | 9.01    | 1.08    | <0.05          | <5   |
| 94V1880                      | Quinacridone Violet              | V 19    | 30.0                    | 6.9     | 63.1      | 22.1                    | 6.9     | 71.0      | 9.37    | 1.12    | <0.05          | <5   |
| 94W1130                      | Titanium Dioxide                 | WH 6    | 65.0                    | 8.3     | 26.7      | 32.2                    | 14.7    | 53.1      | 16.52   | 1.98    | <0.05          | <5   |
| 94W1102                      | Titanium Dioxide-Chalk resistant | WH 6    | 68.0                    | 8.4     | 23.6      | 35.5                    | 15.4    | 49.1      | 17.22   | 2.06    | <0.05          | <5   |
| 94Y1404                      | Yellow Oxide                     | Y 42    | 59.4                    | 8.6     | 32.0      | 26.7                    | 14.2    | 59.1      | 15.39   | 1.84    | <0.05          | <5   |
| 94Y1474                      | Transparent Yellow Oxide         | Y 42    | 35.0                    | 14.9    | 50.1      | 14.3                    | 17.8    | 67.9      | 11.27   | 1.35    | <0.05          | <5   |
| 94Y1498                      | Hansa Yellow                     | Y 74    | 35.0                    | 6.7     | 58.3      | 28.7                    | 6.5     | 64.8      | 9.25    | 1.11    | <0.05          | <5   |

\*VOC values for PanTINT 94 Colorants have been determined to be <5 by calculation from supplier data. values in this range can not be determined accurately by epa test method 24.>

## Care and Handling

PanTINT 94 Colorants do not contain any glycol or other co-solvent. Care should be used in handling and storing to prevent freezing and to insure part full containers are properly closed. PanTINT 94 Colorants are generally stable for up to 5 freeze/thaw cycles, but may fail after extended or repeated storage at subfreezing temperatures. If material becomes frozen, remove to warm area and allow to thaw gradually. Mix well to reconstitute. If material returns to a uniform state and does not show any signs of seeding or crystallization, it can be assumed to be fully recovered. A final check for color value and strength will confirm this.