

# Vibrantz Technologies meets the challenges of industrial tinting systems for industrial wood applications

Color Solutions

## Temacolor™ HP

### General Information

Setting up a tinting system for industrial coatings is a challenging task: the individual colorants must have little or no impact on performance and properties of the coating. This is why Temacolor HP colorants are the perfect choice.

### Application

Temacolor HP is based on an acrylic resin and provides a broad compatibility profile. It is specially designed for all solvent-based one- and two-component coatings, as well as industrial wood finishes. Temacolor HP is compatible with coatings based on nitrocellulose, polyurethane, CAB, short oil alkyd and acid curing systems.

### Properties

Most Temacolor HP colorants are formulated without the use of aromatic solvents. Pigment selection is based on the high requirements of industrial coating systems. Even the use of high amounts of Temacolor HP (up to 30 percent) will only have minimal impact on the system properties such as gloss, pot life, hardness, viscosity, sagging and drying time. All Temacolor HP colorants are calibrated by volume and weight. This makes them suitable for use in In-Plant and POS tinting systems.



## Our Services

As a frontrunner in integrating tinting solutions, Vibrantz Technologies provides excellent service in the set-up of your tinting systems as well as smooth colorant technology conversions. Our technical support includes:

- Assurance of colorant and base paint compatibility
- System design, optimization and pigment selection
- Color matching and database development
- Equipment compatibility and sales support

Stringent production controls and processes ensure that all colorants are manufactured to rigid specifications for color shade, strength and rheology. The end result is assured color accuracy and reproducibility.

Name	Color	Pigment	Pigment content of colorant [%]	Light Fastness of Pigment <sup>1</sup>		Weather Resistance of Pigment <sup>2</sup>		Density of Colorant (kg/m <sup>3</sup> )
				Mass	Tint	Mass	Tint	
1004	White	PW 6	60	8	N.A.	5	N.A.	1667
1010	Black	PBk 7	27	8	8	5	5	1103
1012	Black	PBk 7	14	8	8	5	5	1089
3095	Black	PBk 7	26	8	8	5	5	1088
3097	High Jet Black	PBk 7	16	8	8	5	5	1100
8097	High Jet Black	PBk 7	10	8	8	5	5	1100
1022	Yellow Oxide	PY 42	57	8	8	5	5	1628
1024	Yellow Oxide	PY 42	50	8	8	5	5	1538
1075	Red Oxide	PR 101	57	8	8	5	5	1784
1040	Yellow	PY 151	35	8	7-8	5	4-5	1096
1043	Yellow	PY 138	35	8	7-8	4-5	3-4	1133
1047	Yellow	PY 139	42	8	8	4	3-4	1223
1050	Orange Yellow	PY 83	30	7-8	6-7	4	3	1047
1070	Red	PR 170	29	7-8	6	4-5	2-3	1062
1072	Red	PR 254	26	8	8	4-5	4	1076
1095	Magenta	PR 122	18	7	7-8	4	4-5	1014
1030	Blue	PB 15:3	21	8	8	5	4-5	1042
1032	Blue	PB 15:6	23	8	8	5	4-5	1034
2010	Green	PG 7	20	8	8	5	4-5	1062
1090	Violet	PV 23	9	8	8	5	4	992
1092	Red Violet	PV 19	18	6-7	7-8	4	4	1037
1061	Orange	PO 62	40	8	7	5	4-5	1170
1062	Orange	PO 36	27	8	7-8	5	4-5	1110
1063	Orange	PO 73	28	8	8	4-5	4-5	997

The values given in the table are guidance figures only. The data is obtained from pigment suppliers, individual testing is recommended.

<sup>1</sup> Light fastness is measured on an eight step blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.

<sup>2</sup> Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance, 5 = excellent weather resistance.

The information and recommendations contained herein are based on data we believe to be reliable and does not imply any warranty or performance guarantee, as conditions and methods of use of our products are beyond our control. The data herein is determined using Vibrantz's standard test methods. Hazard and safety information with respect to this product is available in the applicable SDS. Vibrantz will not be liable under any circumstance for consequential or incidental damages, including but not limited to, lost profits resulting from the use of our products