VIBRANTZ
TECHNOLOGIES™

Vibrantz Technologies meets the challenges of POS tinting with waterborne façade paints.

Color Solutions

Novapint™ E

Novapint E waterborne colorant range combines all important technical factors for successful POS tinting with façade paints.

Vibrantz Technologies' Novapint E technology offers a range of high performance colorants for silicone emulsion and silicate dispersion paints, as well as acrylic plasters. A selection that ensures to meet the highest demands of water repellency and weather fastness in façade tinting.

General Information

Application

In addition to façade paints, Novapint E also shows excellent results in waterborne architectural and industrial paints. Novapint E is an all-round range of colorants that covers the full spectrum of waterborne paints, from façade paints to interior and exterior latex paints.

Properties

The Vibrantz Technologies' Novapint E colorants are a perfect fit for outdoor applications. These high alkaline and PVC (Pigment Volume Concentration) applications must ensure that both paint and pigment properties, such as excellent weather and light fastness, are not compromised. Beyond that, Novapint E offers a selection of 15 inorganic colorants and an unusually wide color variety in the yellow-orange-red area - an area that has traditionally been out of reach for most colorants. The Novapint E system covers the green color area with an oxide green colorant which allows tinting of façades in more traditional green shades, whilst the bright turquoise and cobalt green are available for pure green shades. The Novapint E colorant selection is completed by the inorganic oxide black PBk 33, which provides higher compatibility and stability compared to PBk 11. Also available is the PBr 29, which offers heat reducing benefits in certain architectural paint applications.

The organic pigments used in the Novapint E range are carefully selected to strike the perfect balance between weather fastness and economical alternatives in tinting. The range offers a cost-effective alternative for both interior and exterior quality colorants without compromising on durability and weather resistance.

All colorants in the Novapint E system are VOC (Volatile Organic Compounds) and APE (Alkyl Phenol Ethoxylate) free, which makes them fully compliant with the latest requirements and anticipated regulations.

Benefits

Novapint E colorants – both organic and inorganic – are fully compatible and can be used in combination with other technologies. This technology mix is a perfect tool for creating customized systems, covering a complete paint technology portfolio including water and solvent borne products. Novapint E offers a wide color space, cost efficiency and compliance with all technical challenges, requirements and regulations.

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.

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Inorganic pigment [3]:

Name	Color	Pigment	Pigment content of colorant [%]	Light Fastness of Pigment [1]		Weather Resistance of Pigment [2]		Density of Colorant (kg/m3)
				Mass	Tint	Mass	Tint	
WX11	White	PW 6	65	8	N.A.	5	N.A.	2100
CX10	Oxide Black	PBk 33	54	8	8	5	5	2025
YX10	Oxide Yellow	PY 42	52	8	8	5	5	1875
YX11	Oxide Orange	PY 42	54	8	8	5	5	1853
RX10	Oxide Red	PR 101	57	8	8	5	5	1968
RX11	Oxide Violet	PR 101	64	8	8	5	5	2274
YX12	BiVa Yellow	PY 174	60	8	8	4-5	4-5	2225
YX13	BiVa Orange	PY 184	64	8	8	4-5	4-5	2415
YX14	Zinc Orange	PY 216	50	8	7-8	5	4-5	2110
BX10	Cobalt Blue	PB 28	64	8	8	5	5	2110
BX11	Ultra Marine Blue	PB 29	54	8	8	4-5	4-5	1593
GX12	Turquoise Green	PB 28	48	8	8	5	5	1844
IR19	NIR Black	PB 29	55	8	8	5	5	2003
GX10	Oxide Green	PG 17	67	8	8	5	5	2415
GX11	Cobalt Green	PG 50	59	8	8	5	5	2224

Organic pigment:

Name	Color	Pigment	Pigment content of colorant [%]	Mass	Tint	Mass	Tint	Density
CH9	Black	PBk 7	17	8	8	5	5	1261
CH3	Black Strong	PBk 7	29	8	8	5	5	1318
YH3	Citron Yellow	PY 138	40	8	7-8	4-5	3-4	1379
YM4	Yellow	PY 74	26	7-8	6-7	4-5	3	1380
YS3	Yellow	PY 154	33	8	8	5	5	1174
GH3	Green	PG 7	31	8	8	5	4-5	1405
MH3	Magenta	PR 122	19	7	7-8	4	4-5	1186
OH3	Orange Yellow	PY 110	30	7	8	4-5	5	1350
RH3	Red	PR 112	31	8	6	4-5	3	1301
RH6	Red	PR 254	36	8	8	4-5	4	1373
RM3	Red	OR 168	23	8	8	5	4-5	1220
BH3	Blue	PB 15:3	35	8	8	5	4-5	1233
VH3	Violet	PV 23	8	8	8	5	4	1385
OH4	Orange	PO 67	36	8	6-7	4-5	2	1310
OM3	Orange	PO 67	13	8	6-7	4-5	2	1374

The values given in the table are guidance figures only. The data is obtained from pigment suppliers, individual testing is recommended.
[1] Light fastness is measured on an eight step blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.
[2] Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance , 5 = excellent weather resistance.
[3] Colorant containing inorganic pigment(s). Vibrantz Technologies recommends to use only colorants containing inorganic pigments in high alkaline environments and in exteriorsilicate or silicone based products.

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