

## + Novapint™ E

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

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

#### ► Application

ChromaFlo 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. 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 ChromaFlo Technologies Novapint E colorants are a perfect fit for outdoor applications. These high alkaline and high PVC (Pigment Volume Concentration) applications must ensure that both paint and pigment properties, such as excellent weather and light fastness, are not compromised. 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 tinting systems. 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, and 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, ChromaFlo 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	

Inorganic pigment <sup>3</sup>:

WX11	White	PW 6	65	8	N.A.	5	N.A.	2100
CX10	Black Oxide	PBk 33	54	8	8	5	5	2025
YX10	Yellow Oxide	PY 42	52	8	8	5	5	1875
YX11	Orange Oxide	PY 42	54	8	8	5	5	1853
RX10	Red Oxide	PR 101	57	8	8	5	5	1968
RX11	Violet Oxide	PR 101	64	8	8	5	5	2274
YX12	BiVa Yellow	PY 184	60	8	8	4-5	4-5	2225
YX13	BiVa Orange	PY 184	64	8	8	4-5	4-5	2415
YX14	Orange Oxide	PY 216	50	8	7-8	5	4-5	2110
BX10	Cobalt Blue	PB 28	64	8	8	5	5	2110
BX11	Blue UltraMarine	PB 29	54	8	8	4-5	4-5	1593
GX12	Turquoise Green	PB 28	48	8	8	5	5	1844
IR10	Black NIR	PBr 29	48	8	8	5	5	1993
GX10	Green Oxide	PG 17	67	8	8	5	5	2415
GX11	Cobalt Green	PG 50	59	8	8	5	5	2224

## Organic pigment:

CH9	Black LC	PBk 7	17	8	8	5	5	1261
CH3	Black HC	PBk 7	29	8	8	5	5	1318
YH3	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	PR 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.

<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.

<sup>3</sup> Colorant containing inorganic pigment(s). Chromaflo Technologies recommends to use only colorants containing inorganic pigments in high alkaline environments and in exterior silicate or silicone based products.