

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.

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.

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 Chromaflo 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 PBk33, which provides higher compatibility and stability compared to PBk11. Also available is the PBr29, 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.



NOVAPINT™ E TECHNICAL DATA

Inorganic pigment³⁾

| Name | Color | Pigment | Pigment content of colorant [%] | Light fastness of pigment ¹⁾ | | Weather resistance of pigment ²⁾ | | Density of Colorant (kg/m ³) |
|------|-------------------|---------|---------------------------------|---|------|---|------|--|
| | | | | Full | Tint | Full | Tint | |
| 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 |
| CX10 | Oxide Black | PBk 33 | 54 | 8 | 8 | 5 | 5 | 2025 |
| GX10 | Oxide Green | PG 17 | 67 | 8 | 8 | 5 | 5 | 2415 |
| GX11 | Cobalt Green | PG 50 | 59 | 8 | 8 | 5 | 5 | 2224 |
| GX12 | Turquoise Green | PB 28 | 48 | 8 | 8 | 5 | 5 | 1844 |
| IR10 | NIR Black | PBr 29 | 55 | 8 | 8 | 5 | 5 | 2003 |
| RX10 | Oxide Red | PR 101 | 57 | 8 | 8 | 5 | 5 | 1968 |
| RX11 | Oxide Violet | PR 101 | 64 | 8 | 8 | 5 | 5 | 2274 |
| YX10 | Oxide Yellow | PY 42 | 52 | 8 | 8 | 5 | 5 | 1875 |
| YX11 | Oxide Orange | PY 42 | 54 | 8 | 8 | 5 | 5 | 1853 |
| 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 | Zinc Orange | PY 216 | 50 | 8 | 7-8 | 5 | 4-5 | 2110 |
| WX11 | White | PW 6 | 65 | 8 | n.a. | 5 | n.a. | 2100 |

Organic pigment

| | | | | | | | | |
|-----|---------------|---------|----|-----|-----|-----|-----|------|
| BH3 | Blue | PB 15:3 | 35 | 8 | 8 | 5 | 4-5 | 1233 |
| CH3 | Black Strong | PBk 7 | 29 | 8 | 8 | 5 | 5 | 1318 |
| CH9 | Black | PBk 7 | 17 | 8 | 8 | 5 | 5 | 1261 |
| 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 |
| OH4 | Orange | PO 67 | 36 | 8 | 6-7 | 4-5 | 2 | 1310 |
| OM3 | Orange | PO 67 | 13 | 8 | 6-7 | 4-5 | 2 | 1374 |
| RH3 | Red | PR 112 | 31 | 8 | 6 | 4-5 | 3 | 1301 |
| RH6 | Red | PR 254 | 36 | 8 | 8 | 4-5 | 4 | 1373 |
| VH3 | Violet | PV 23 | 8 | 8 | 8 | 5 | 4 | 1385 |
| 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 |

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⁾ Chromaflo Technologies recommends to use only colorants containing inorganic pigments in high alkaline environments and in exterior silicate or silicone based products.

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