Chromaflo Technologies

SOLVASPERSE™ AK

Economical low VOC colorants for in-plant, solvent-based applications

Chromaflo Technologies understands that paint manufacturers are seeking economical and accurate in-plant tinting solutions to provide a wide color variety for ready mix lines. A well designed in-plant system should yield a net gain in the overall manufacturing process. Whatever the required volume, the color production process needs to be fast and efficient, ensuring quick delivery times and customer satisfaction.

Application

Specially developed for in-plant tinting, Solvasperse AK is solvent based and low in VOCs. The range of Solvasperse AK colorants can be used to tint diverse long and medium-oil architectural alkyd paints, for use in both interior and exterior applications.

Properties

Solvasperse AK colorants are formulated with alkyd resin and aromatic-free solvents. The reduced VOC content (< 300 gram/liter) guarantees compliance with the current EU directive, provided that the paint itself meets the requirements.

The Solvasperse AK family has 15 high concentrated colorants for optimal and economical color performance. The colorants in the Solvasperse AK family have been tested in numerous alkyd paint products. They consistently demonstrate excellent compatibility with minimal effect on properties such as gloss and drying. Two transparent iron oxide colorant options are available for wood finishing applications.

As a result of their transparent nature, the wood structure remains visible, yet important physical properties of the paint, such as weather resistance and UV barrier, are unaffected by the colorant.

All Chromaflo Technologies' in-plant colorants are controlled both gravimetrically and volumetrically for factory level precision. Although these colorants are designed for in-plant use, our extensive experience allows us to guarantee that they satisfy the stricter POS requirements for color strength and shade.

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.

colortrend

SOLVASPERSE™ AK TECHNICAL DATA

Name	Color	Pigment	Pigment content of colorant [%]	Light fastness of pigment [1]		Weather resistance of pigment [2]		Density of Colorant (g/ml)
				Full	Tint	Full	Tint	
AWH1	White	PW 6	62	8	n/a	5	n/a	1.68
AYE2	BiVa Yellow	PY 184	53	8	8	4-5	4-5	1.45
AYE1	Yellow	PY 74	43	7-8	6-7	4-5	3	1.06
AXY1	Oxide Yellow	PY 42	58	8	8	5	5	1.54
AOR1	Orange	PO 67	41	8	6-7	4-5	3	1.06
ARE1	DPP Red	PR 254	27	8	8	4-5	4	1.02
ARE2	Red	PR 112	40	8	6	4-5	3	1.03
AXR1	Red Oxide	PR 101	62	8	8	5	5	1.78
AMA1	Magenta	PR 122	21	7	7-8	4	4-5	1.02
AVI1	Violet HC	PV 23	22	8	8	5	4	0.98
ABL1	Blue	PB 15:4	27	8	8	5	4-5	1.00
AGR1	Green HC	PG 7	30	8	8	5	4-5	1.02
ABK1	Black HC	PBk 7	40	8	8	5	5	1.09
ATXY	Transp. Oxide Yellow	PY 42	40	8	8	5	5	1.32
ATXR	Transp. Oxide Red	PR 101	40	8	8	5	5	1.31

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.

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www.chromaflo.com