



Wayncor[®] 222 – Corrosion Inhibitive Pigment.

Description – Zinc Phosphate

Wayncor[®] 222 is a white, non-refractive, anti-corrosive pigment used in protective coatings. It is widely considered by the coatings industry to be a standard corrosion inhibitor. It exhibits a high degree of versatility and is compatible with almost all commercially available aqueous and solvent based coatings. The use level will vary depending upon resin system, pigment volume concentration and desired performance parameters, however typical use levels are between 3 – 10% total formula weight.

Characteristic	Test Method	Typical Value
Appearance		White powder
Zinc as ZnO [%]		63 - 65
Phosphate as P ₂ O ₅ [%]		35 - 37
Specific Gravity	ASTM D-153	3.25
Bulking Value [gal/lb] [l/kg]		0.036 0.308
pH	ASTM D-1208	5.5 - 8.0
Conductivity [micro Siemens]	ASTM D-2448	< 150
Loss on Ignition at 600°C [%]	ASTM D-6280 (A3)	8.0 - 11.5
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	17 - 30 17 - 30
Apparent Bulk Density, Tapped [g/100 cm ³]	ASTM D-4164	60 - 95
Fineness of Grind [Hegman Value]	ASTM D-1210	6.0 Min.
Mean Particle Size [microns]	Malvern Mastersizer	8.9
Lead as Pb [ppm]	by Atomic Absorption	< 10.0
Cadmium as Cd [ppm]	by Atomic Absorption	2.0
Chromium as Cr [ppm]	by Atomic Absorption	< 0.50

These are typical values and do not represent specifications.

Suggested Applications
Short and Medium Oil Alkyds
Long Oil Alkyds
High Solids Alkyds
Epoxies – Solvent and Water
High Solids Epoxies
Polyurethanes 1K and 2K
Alkyd Emulsions
Epoxy Dispersions
Acrylics and Modified Acrylics
Hybrids
Baking Enamels
Water Reducible Alkyds

Performance in other coating systems has not been fully evaluated.

The information made herein is based upon our research and the research of others, and is believed to be accurate. No guarantee of accuracy is made and the product discussed is sold without warrant, expressed or implied and upon the condition the purchaser shall make their own tests to determine the suitability of such product for their particular purposes.

