G. R. O'Shea COMPANY

WAYNE PIGMENT
WAYNCOR 229

Wayne Pigment Corp.

Wayncor® 229 – Corrosion Inhibitive Pigment.

Description – Strontium Zinc Phosphosilicate

Wayncor® 229 is an effective multi-component, multi-phase synergistic corrosion inhibitor pigment. It is a chrome free product, and is compatible with all commercially available aqueous and solvent based resin systems. The recommended loading levels for water based systems and solvent based systems from 3 – 7% total formula weight.

Characteristic	Test Method	Typical Value
Appearance		White powder
Strontium as SrO [%]		3.5 – 5.5
Zinc as ZnO [%]		39 - 41
Phosphate as P_2O_5 [%]		18 - 20
Silicate as SiO_2 [%]		14.5 – 16.5
Calcium as CaO [%]		13.5 – 15-5
Specific Gravity [g/cm^3]	ASTM D-153	3.2 – 3.5
Bulking Value [gal/lb] [l/kg]		0.038 – 0.034 0.313 – 0.286
pH	ASTM D-1208 (3)	7.5 – 9.0
Conductivity [micro Siemens]	ASTM D-2448	< 200
Loss on Ignition 600ºC [%]	ASTM D-280	4.0 – 8.0
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	20 – 26 20 - 26
Apparent Bulk Density, Tapped [g/cm^3]	ASTM D-4164	60 - 85
Fineness of Grind [Hegman Value]	ASTM D-1210	6.0 Min.
Mean Particle Size [microns]	Malvern Mastersizer	5.0
Water Soluble Chloride [%]		< 0.02
Water Soluble Sulfate [%]		< 0.04
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

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

These are typical values and do not represent specifications.

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