Wayncor™ 205 – Corrosion Inhibitive Pigment.

Description – Calcium Modified Silica

Wayncor™ 205 is an anti corrosion pigment that utilizes a calcium ion exchange mechanism to inhibit the corrosion process. Its near neutral pH allows it to be used in a wide variety of formulas without a negative impact on paint stability. The fine Hegman grind (6.5 minimum) permits its use in thin film applications (4 – 10 microns) such as coil coatings and in more traditional industrial applications where the dry film thickness is higher. This fine Hegman value also allows the product to be high speed dispersed. The Wayncor™ 205 mechanism works well on both ferrous and non-ferrous substrates. Wayncor™ 205 can be used as the sole corrosion inhibitor or synergistically with other inhibitive technologies.

Characteristic	Test Method	Typical Value
Appearance		White powder
Ca as CaO [%]		40 - 45
Silicate as SiO_2 [%]		45 - 50
Specific Gravity [g/cm^3]	ASTM D-153	2.44
Bulking Value [gal/lb] [l/kg]		0.049 0.409
pH	ASTM D-1208	7.0 - 9.0
Loss on Ignition 600ºC [%]	ASTM D-6280 (A3)	< 9.0
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	60 Max. 60 Max.
Apparent Bulk Density, Tapped [g/100 cm^3]		30 - 55
Fineness of Grind [Hegman Value]	ASTM D-1210	6.0 Min.
Mean Particle Size [microns]	Malvern Mastersizer	5.0

These are typical values and do not represent specifications.

Suggested Applications
Solvent based polyesters
Solvent and water based polyurethanes
Solvent and water based epoxies
Acrylics
Solvent Based Alkyds
Water Reducible Alkyds
Siloxanes

Performance in other systems has not been fully evaluated.