

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 [%]		14 - 19
Silicate as SiO ₂ [%]		70 - 75
Specific Gravity [g/cm ³]	ASTM D-153	2.44
Bulking Value [gal/lb] [1/kg]		0.049 0.409
pH	ASTM D-1208	7.0 - 9.0
Loss on Ignition 600°C [%]		< 9.0
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	60 Max. 60 Max.
Apparent Bulk Density, Tapped [g/100 cm ³]	ASTM D-4164	30 - 55
Fineness of Grind [Hegman Value]	ASTM D-1210	6.0 Min.
Mean Particle Size [microns]	Malvern Mastersizer	5.0
Lead as Pb [ppm]	by Atomic Absorption	< 6.0
Cadmium as Cd [ppm]	by Atomic Absorption	< 1.0
Chromium as Cr [ppm]	by Atomic Absorption	< 0.50

Suggested Applications		
Solvent ba	ased polyesters	
Solvent ar polyuretha	nd water based	
Solvent ar	nd water based epoxies	
Acrylics		

These are typical values and do not represent specifications.

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.

