



TECHNICAL DATA SHEET

Corrostayn[®] 228 – Corrosion Inhibitive Pigment

Description – Organically Modified Zinc Strontium Phosphosilicate

Corrostayn[®] 228 features a unique pigment chemistry which combines the dual functionality of **Corrosion Inhibition and Tannin Stain Inhibition**. This dual functionality aids in the reduction of raw material inventories and also provides effective inhibitor formulations. It is designed to provide good stability and performance in both solvent and water based systems. Typical use level is between 2 – 6% based upon total formula weight.

Characteristic	Test Method	Typical Value
Appearance		White powder
Zinc as ZnO [%]		41 - 43
Phosphate as P ₂ O ₅ [%]		14 - 16
Silicate as SiO ₂ [%]		17 - 19
Calcium as CaO [%]		16 - 18
Strontium as SrO [%]		3 - 5
Specific Gravity	ASTM D-153	2.90
Bulking Value [gal/lb] [l/kg]		0.041 0.345
pH	ASTM D-1208	7.5 - 9.0
Conductivity [micro Siemens]	ASTM D-2448	< 400
Moisture at 110°C [%]	ASTM D-280	< 7.0
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	22 - 30 22 - 30
Apparent Bulk Density, Tapped [g/100 cm ³]	ASTM D-4164	50 - 85
Fineness of Grind [Hegman Value]	ASTM D-1210	6.0 Min.
Mean Particle Size [microns]	Malvern Mastersizer	6.5
Lead as Pb [ppm]	by Atomic Absorption	< 5.0
Cadmium as Cd [ppm]	by Atomic Absorption	< 1.0
Chromium as Cr [ppm]	by Atomic Absorption	< 0.50

Suggested Applications
Acrylics
Styrenated Acrylics
Epoxies - Solvent and Water
Alkyds
Water Reducible Alkyds

Performance in other coating systems has not been evaluated.

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.

