



Hybricor™ 204S – Hybrid Corrosion Inhibitor Pigment

Patent Protected

Hybricor™ 204S is a pigment grade Hybrid corrosion inhibitor, effective in primer applications intended for cast and structural aluminum protection. It can easily be incorporated into the coating using a high speed disperser. Hybricor™ 204S has a particle size of 7 Hegman which permits its use in both primer and DTM applications.

Characteristic	Test Method	Typical Value	Suggested Applications
Appearance		Pale yellow powder	Solvent urethanes
Zinc as ZnO [%]		28 - 31	Solvent epoxies
Calcium Oxide as CaO [%]		15 - 17	Alkyds
Silicate as SiO ₂ [%]		17 - 19	
Cyanamid as NCN [%]		18 - 21	
Organic [%]		10 - 13	
Specific Gravity	ASTM D-153	2.40 - 2.70	
Bulking Value [gal/lb] [l/kg]		0.050 - 0.044 0.417 - 0.370	
pH	ASTM D-1208 (3)	7.0 - 9.0	
Conductivity [μS/cm]	ASTM D-2448	2000 Max.	
Moisture at 110°C [%]	ASTM D-280	≤ 5.0	
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	25 - 36 25 - 36	
Apparent Bulk Density, Tapped [g/100 cm ³]	ASTM D-4164	50 - 80	
Fineness of Grind [Hegman Value]	ASTM D-1210	6.0 Min.	
Mean Particle Size [microns]	Malvern Mastersizer	6.5	
Water Soluble Chloride [%]		< 0.02	
Water Soluble Sulfate [%]		< 0.04	
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	

These are typical values and do not represent specifications.

Performance in other systems or on other substrates 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.



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