



Hybricor™ 294 – Corrosion Inhibitive Pigment.

Hybricor™ was developed to replace chromate in wash (etch) primers for non-ferrous substrates. Use levels will approximate those of the chromate; however, it is always best to perform a loading ladder study when substituting inhibitors for chromate.

Characteristic	Test Method	Typical Value	Suggested Applications
Appearance		Light Yellow Powder	PVB
Zinc as ZnO [%]		24 - 26	PVB/Epoxy modified
Phosphate as P ₂ O ₅ [%]		4.5 - 6.0	
Silicate as SiO ₂ [%]		51 - 53	
Cyanamid as NCN [%]		4.5 - 5.5	
Organic [%]		16 - 17	
Specific Gravity [g/cm ³]	ASTM D-153	2.40 - 2.60	
Bulking Value [gal/lb] [l/kg]		0.049 - 0.046 0.416 - 0.384	
pH	ASTM D-1208 (3)	6.5 - 8.0	
Conductivity [micro Siemens]	ASTM D-2448	Not Est.	
Loss on Ignition 200°C [%]	ASTM D-280	≤ 5.0	
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	Not Est.	
Apparent Bulk Density, Tapped [g/cm ³]	ASTM D-4164	Not Est.	
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.

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.

