Technical Data Sheet

Stainban ® 208 – Calcium Strontium Zinc Phosphosilicate

Stainban ® 208 is a white, non-refractive pigment especially designed to inhibit the migration of the tannin stains in coatings on a wide variety of woods. The small particle size and narrow particle distribution allows the pigment to be easily incorporated into the coating using high speed dispersion. It is compatible with a wide variety of solvent and water based resins. It is recommended for use in primers or in self-priming applications where stain inhibition is needed. Typical use levels range from 5 – 9% total formula weight.

Characteristic	Test Method	Typical Value
Appearance		White powder
Zinc as ZnO [%]		41 - 43
Phosphate as P_2O_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 – 9.5
Moisture at 110 ºC [%]	ASTM D-280	7.0 Max
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	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	6.0
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

These are typical values and do not represent specifications.

Suggested Applications
Acrylic latexes
Vinyl acrylic latexes
Styrenated acrylic latexes
PVA homopolymers
Solvent alkyds
Alkyd emulsions
Styrene butadiene (SBR)
Alkyds
Acrylic emulsions

Performance in other coating systems has not been evaluated.

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