

TECHNICAL DATA

HALOX® CW-291, CW-22/221 & CW-2230

Calcium Borosilicate

Product Description

HALOX® CW-291, CW-22/221 and CW-2230 are white, nonrefractive, corrosion inhibiting pigments used in protective coating systems. They are not recommended for use in immersion or semi-immersion environments.

HALOX® CW-291 has the lowest oil absorption of our borosilicate products and is recommended for use in protective coating systems based on alkyd technology. Because of its low oil absorption, HALOX® CW-291 is specifically suggested for use in high solids, medium gloss topcoats, DTM (direct-to-metal) finishes and self priming systems. HALOX® CW-291 is compliant to ASTM D 4288-83, Specification for Calcium Borosilicate Pigment Type 1, Class B.

HALOX® CW-22/221 is recommended for use in primer systems based on traditional solvent alkyd technology. It can effectively be formulated into such resins as medium and long-oil alkyds. HALOX® CW-22/221 is compliant to ASTM D 4288-83, Specification for Calcium Borosilicate Pigment Type 1, Class A.

HALOX® CW-2230 has the highest borate content and can be effectively formulated into such resins as medium and long-oil alkyds, epoxy-esters and modified alkyd systems. HALOX® CW-2230 is compliant to ASTM D 4288-83, Specification for Calcium Borosilicate Pigment Type 2.

Application*

HALOX® CW-291 recommended loading levels range from 5-10% based on total formula weight in primer systems and 2-5% based on total formula weight in topcoat and DTM finishes. PVC levels should range from 40-45% in primers and 15-25% in topcoats and DTM's. HALOX® CW-22/221 recommended loading levels range from 9-15% based on total formula weight with PVC levels in the range of 42-47%.

HALOX® CW-2230 recommended loading levels range from 9-15% based on total formula weight with PVC levels ranging from 42-47%.

Typical Properties

These are typical values and do not represent product specifications:

	<u>HALOX® CW-291</u>	<u>HALOX® CW-22/221</u>	<u>HALOX® CW-2230</u>
pH (10% solution by wt)	10.0	10.1	10.1
Oil Absorption (lbs/100 lbs)	28.4	33.1	37.3
Density (g/ml)	2.7	2.7	2.6
Mean Particle Size (microns)	5.7	5.8	5.5
Hegman Grind	5.0	5.0	5.0
% Moisture	0.3	0.3	0.4
% Solubility in water	0.34	0.34	0.37



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