



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*

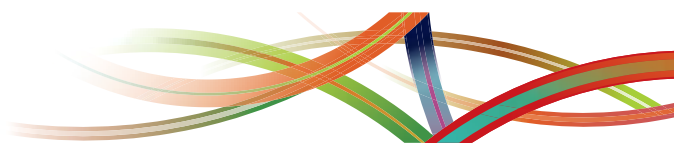
HALOX[®] CW-291 recommended loading levels range from 5-10% based on total formula weight in primer systems and 2-5% based on total formula weight in topcoat and DTM finishes. PVC levels should range from 40-45% in primers and 15-25% in topcoats and DTM's. HALOX[®] CW-22/221 recommended loading levels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