borchers

12 % Cobalt Cem-All® PI Drier

Cobalt drier for solvent-based systems

Physical Characteristics

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Appearance Blue liquid Co: 11.90 - 12.10 Metal content % 65.00 - 72.00 % Non-volatile content ASTM D 1644 C to H ASTM D Viscosity 2373 8.16 - 8.40 lb/gal Specific gravity (25°C) ASTM D 1963 NA Density

Shortens the surface drying of coatings, varnishes, stains and inks

- Results in uniform through-drying of the paint film when used in combination with a secondary drier such as zirconium, barium or zinc
- Catalyzes redox reactions which result in the dissociation of hydroperoxides from a change in valence from Co2+ to Co3+
- Rapid surface drying

Applications

Printing inks

Dosage

In conventional alkyd formulations, the cobalt addition is between 0.03 and 0.08 % metal based on the vehicle solids of the coating and will vary upon the composition of the binder. In printing inks, a combination of Cobalt and Manganese driers is recommended. The amount of cobalt is between 0.03 and 0.05 % based on binder solids. Cobalt driers can also be combined with Zirconium and Calcium driers for optimum surface and through dry. The specific drier blend should be experimentally determined.

Storage

Protect from the effects of weathering and store at temperatures below 50 °C. Once opened, containers should be resealed immediately after each use.

Safety

Please refer to our safety data sheet for information relating to product safety.

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