

12 % Cobalt Cem-All® PI Drier

Cobalt drier for solvent-based systems

Physical Characteristics

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

Features

- 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.