

# 5 % Cobalt Hydro-Cure<sup>®</sup> II

## TECHNICAL DATA

### Cobalt drier for water-based systems

#### 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 Co<sup>2+</sup> to Co<sup>3+</sup>
- Rapid surface drying

#### PHYSICAL CHARACTERISTICS

Appearance	Blue liquid
Metal content	Co: 4.90 - 5.10 % M001
Non-volatile content	40.00 - 55.00 % ASTM D 1644
Viscosity	A-5 to A ASTM D 2373
Specific gravity	7.35 - 7.84 lb/gal (25 °C) ASTM D 1963
Density	NA

#### APPLICATIONS

- Oxidatively cured water-based systems, including:
  - Architectural paints
  - Industrial coatings
  - Stains
  - Oil-based inks
  - Artists' colors

#### Contact us for more information

[www.borchers.com/contact](http://www.borchers.com/contact)

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

#### 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.