

Borchers® Deca Cobalt 12

Cobalt drier for solvent-based systems

Physical Characteristics

Appearance	Clear, middle-viscous, blue-violet liquid
Metal content	Co: 11.70 - 12.30 % ISO 4619
Non-volatile content	57.00 - 69.00 % ISO 3251 (2g, 3h, 105°C)
Viscosity	Max. 500 mPa.s (20°C) ISO 3219 (A)
Specific gravity	NA
Density	0.980 - 1.020 g/cm ³ DIN 51757 (20 °C)
Solvent	White-spirit containing <1 % aromatics

Features

- Based on metal salts of neodecanoic acid (neodecanoates)
- Catalyzes redox reactions and even small additions result in the dissociation of autoxidant hydroperoxides and to a change in valency from Co²⁺ to Co³⁺
- Initiates rapid surface drying

Applications

- All oxidative systems, including:
 - Architectural paints
 - Industrial coatings
 - Stains
 - Varnishes
 - Oil-based inks
 - Artists' oil paints

Dosage

In conventional alkyd formulations, the cobalt amount is in the range of 0.03 to 0.08 % metal, calculated on the solid binder. In paints and varnishes Borchers® Deca Cobalt mostly is combined with Borchers® Deca Zirconium and Octa-Soligen® Calcium 10, basic. In printing inks, a combination of Borchers® Deca Cobalt and Borchers® Deca Manganese is recommended. The cobalt amount is in the range of 0.03 to 0.05 % metal, calculated on the solid binder. Irrespective of these guidelines, the addition should always be determined in preliminary trials.

Storage

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

Safety

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

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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 (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.