

Borchers® Deca 123 aqua

Specialty drier for water-based paint systems

Physical Characteristics

Appearance	Clear, violet-blue liquid
Metal content	Ba: 6.03 - 6.43 % Co: 0.94 - 1.14 % Zn: 2.67 - 2.87 % DIN 55901 Total: 10.75 - 11.55 % (calculated)
Non-volatile content	52.00 - 62.00 % ISO 3251 (2g, 3h, 105 °C)
Viscosity	Max. 200 mPa·s ISO 3219 (A) (20 °C)
Specific gravity	NA
Density	0.970 - 1.010 g/cm ³ DIN 51757 (20 °C)
Solvent	White-spirit containing <1 % aromatics

Features

- Impacts rapid and uniform initial drying and good through-drying of the paint film
- Improves color stability, gloss, film hardness and water resistance
- Remains stable even if stored for over a year
- Can be added to the binder or to paint already diluted with water, regardless of pH

Applications

- Water-based paint systems based on binders that dry by oxidation

Dosage

The exact amount required should always be determined in preliminary trial.

Additions from 2 to 6 % Borchers® Deca 123 aqua relative to binder (long-oil alkyd), equivalent to the following metal contents:

- Cobalt: 0.024 - 0.072 %
- Barium: 0.144 - 0.4322 %
- Zinc: 0.064 - 0.192 %

Under certain circumstances, more or less than the recommended amounts may be used. However, the optimum amount needs to be determined in trials. To improve the drier stability of paints such as those containing pigments which readily adsorb driers, we recommend that 0.5 - 1.0 % Octa-Soligen® Calcium 10, basic is added prior to milling.

Storage

Protect from the effects of weathering and store at temperatures between 5 and 30 °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.