



Cobalt-free primary drier with particularly high drying activity for conventional oxidatively drying coating systems

Description

Borchers® Dry 0410 is a new cobalt-free primary drier for all conventional oxidatively drying paints. The activity of the siccative metal is enhanced by its combination with an organic drying accelerator.

The product can be used as a surface drier either in clear coats or pigmented coating systems, where it replaces other primary driers, especially cobalt siccatives.

Characteristic data

Appearance:	clear, reddish brown solution	
Density (20 °C), g/cm ³ :	0.96 – 1.00	DIN 51757 (A)
Flash point, °C:	> 61	
Solvent:	white-spirit containing < 1 % aromatics	
Solubility:	soluble in common organic solvents such as white-spirit, alcohols, glycols; immiscible with water	

Properties

Borchers® Dry 0410 provides rapid surface drying and very good through-drying properties, thus enabling even drying of the applied film.

Coatings siccated with **Borchers® Dry 0410** continue to exhibit very good drying behavior with no degradation of drying ability even after extended storage. Drying results are comparable to those obtained with cobalt-siccated systems.

Applications

Borchers® Dry 0410 is suitable for all solventborne air-drying alkyd resin coatings, as well as for VOC-reduced and *high-solids* coating systems.

Due to the combination with an organic drying accelerator, **Borchers® Dry 0410** exhibits an enhanced drying activity compared to common cobalt-free primary driers.



Use and Dosage

Borchers® Dry 0410 can be added to the coating as a finished preparation in any formulation step. Pre-thinning or incorporation in the solvent is not required. We recommend its addition after the dispersing process, prior to adding an anti-skinning agent.

The dosage of **Borchers® Dry 0410** depends on the type and quantity of the binder used. Usual amounts are approx. 0.1 – 0.5 % by weight based on solid binder. It is recommended to start at the low end and increase addition rates in order to find the optimal dose.

To optimize the quality of the coating system, **Borchers® Dry 0410** can be combined with all other Octa-Soligen® driers. *Octa-Soligen® Strontium* or *Octa-Soligen® Zirconium* have proven effective for increasing film hardness and improving through-drying of the film. *Octa-Soligen® Calcium* can be used to improve storage stability and stabilize drying ability. Here the addition of 0.1 – 0.3 % by weight metal based on solid binder is recommended.

Storage

Protect from the effects of weather and store at temperatures between 5 and 30 °C.
Once opened, containers should be resealed immediately each time product is removed.

Safety

Appropriate protection clothing must be worn while working.
Please refer to our safety data sheet for additional information relating to safe handling and product safety.

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