



Cobalt-free combination drier for solvent borne oxidatively drying coatings with enhanced discoloration stability

Description

Borchers® Dry 0133 is a cobalt-free drier based on a highly active synergistic drier composition for all solvent borne oxidatively drying coating systems. The activity of the siccative metal is enhanced by its combination with an organic drying accelerator.

The product can be used either in clear coats or pigmented coating systems. Here it replaces other primary driers, especially cobalt siccatives.

Characteristic data

Appearance:	clear, brown solution of low viscosity	
Viscosity (20 °C), mPa·s:	max. 200	ISO 3219 (A) - 1994
Density (20 °C), g/cm ³ :	0.96 – 1.00	DIN 51757 (A) - 1994
Non-volatile content, %:	47 – 57	ISO 3251 - 1974 (2g, 3h, 105 °C)
Flash point, °C:	> 61	
Solvent::	white spirit containing < 1 % aromatics	
Solubility:	soluble in common organic solvents such as white spirit, xylene, alcohols, glycols; immiscible with water	

Properties

Borchers® Dry 0133 provides rapid surface dry and improves through-drying and hardness of the applied film. The special siccative combination enables constant drying and prevents levelling defects.

Coating systems siccated with **Borchers® Dry 0133** continue to exhibit very good drying properties even after extended storage.

Applications

Borchers® Dry 0133 is a special drier for both clear coats and white and light colored coating systems and presents compared to other primary driers an enhanced discoloration stability and yellowing resistance. The product is suitable for all solvent borne 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 0133** exhibits an enhanced drying activity compared to common cobalt-free primary driers.



Use and Dosage

Borchers® Dry 0133 can be added to the paint system in any formulation step. Pre-thinning is not required. We recommend its addition after the dispersing process prior to adding an anti-skinning agent.

The dosage of **Borchers® Dry 0133** depends on the type and quantity of the binder used. Usual amounts are approx. 3 – 7 % by weight based on solid binder.

Borchers® Dry 0133 is a combination drier and can be used without adding other siccatives. Therefore the addition of any secondary drier is mostly not necessary. *Octa-Soligen® Calcium* driers may be although useful in highly filled or pigmented systems 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 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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