

# Borchers® Dry 0347 aqua



Cobalt-free combination drier for waterborne oxidatively drying coatings

## Description

**Borchers® Dry 0347 aqua** is a cobalt-free combination drier based on a highly active synergistic drier association with an organic drying accelerator. It can be used without adding other siccatives or all waterborne oxidatively drying coating systems either in clear coats or in pigmented systems.

**Borchers® Dry 0347 aqua** replaces other primary driers, especially cobalt siccatives.

## Characteristic data

Appearance:	clear, reddish brown solution of low viscosity	
Viscosity (20 °C), mPa·s:	50 - 190	ISO 3219 (A) - 1994
Density (20 °C), g/cm <sup>3</sup> :	0.98 – 1.02	DIN 51757 (A) - 1994
Flash point, °C:	> 61 (typical)	
Solvent:	mineral oil and white-spirit with < 1 % aromatics	
Solubility:	soluble in common organic solvents such as white spirit, xylene, alcohols, glycols; emulsifiable in water	

## Properties

**Borchers® Dry 0347 aqua** 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 0347 aqua** continue to exhibit very good drying properties even after extended storage.

## Applications

**Borchers® Dry 0347 aqua** is suitable for waterborne clear coats and pigmented coating systems. It provides improved discolouration stability and yellowing resistance.

Due to the combination with an organic drying accelerator **Borchers® Dry 0347 aqua** exhibits an enhanced drying activity compared to common cobalt-free primary driers for water borne coatings.



## Use and Dosage

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**Borchers<sup>®</sup> Dry 0347 aqua** 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<sup>®</sup> Dry 0347 aqua** depends on the type and quantity of the binder used. Usual amounts are approx. 3 – 6 % by weight based on solid binder.

**Borchers<sup>®</sup> Dry 0347 aqua** is a combination drier and can be used without adding other siccatives. Therefore the addition of any secondary drier is mostly not necessary. The product can be although combined with all other *Octa-Soligen<sup>®</sup> aqua* driers. Especially in highly filled or pigmented systems *Octa-Soligen<sup>®</sup> Calcium* driers may be useful 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

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Protect the product from 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

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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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