



Catalyst (DBTL) for waterborne two component PU coatings

Description

Borchers® LH 10 is used as an accelerator for waterborne, chemical cross-linking, two component coats like PU-Systems.

Characteristic data

Solids content, %:	10.0 – 12.5	Borchers test-method 100-83
pH-value:	3.0 – 5.0	Borchers test-method 100-68/2
Oil separation test:	no precipitation	Borchers test-method 100-98
Centrifuge test:	no precipitation	Borchers test-method 100-97
Particle size, µ:	max. 0.25	Borchers test-method 100-99

Properties

Borchers® LH 10 is suitable to accelerate the cross-linking process of waterborne two component PU coatings. Due to the strong acceleration of the chemical reaction, a reduced pot-life might occur. High addition rates might reduce the gloss.

Applications

Borchers® LH 10 improves the drying of chemically curing systems, e.g. aqueous two component polyurethane coatings. Therefore the drying time is reduced. In this way it is possible to proceed and wrap the substrates much faster. In the same time scratch resistance, hardness and mechanical persistence are positively influenced.

In higher concentrations **Borchers® LH 10** has a matting effect, and therefore should not be used in high gloss formulations.

Excellent results can be achieved in mat, highly filled coats and aqueous soft-feel coatings based on two component polyurethane.

Use and Dosage

Borchers® LH 10 has to be added to the grinding process of the base component.

The recommended amount should be around 0.4 - 0.6 % regarding solid content of the binder. The precise dosage should be determined beforehand in trials.



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.

It has to be protected against frost.

Safety

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

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OMG Borchers GmbH

Berghausener Str. 100 / 40764 Langenfeld / Telephone: +49 (0) 2173 – 39 26 666
Fax: +49 (0) 2173 – 39 26 999 / Internet: www.borchers.com / E-Mail: info.borchers@eu.omgi.com

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