



Tin-free catalyst special for pigmented solvent-borne one- and two-component polyurethane coatings

Description

Borchi® Kat 0245 is a newly developed tin-free catalyst based on metal carboxylate that is used as an accelerator for solvent-borne one- and two-component polyurethane coatings. **Borchi® Kat 0245** contains no organic complexing agents.

Borchi® Kat 0245 is a non-hazardous replacement for other polyurethane catalysts, especially for tertiary amines and DBTL.

Characteristic data

Appearance:	clear, colorless to yellowish liquid	
Density (20 °C), g/cm ³ :	0.92 – 0.96	DIN 51757 (A) - 1994
Viscosity (20 °C), mPa·s:	30 - 130	ISO 3219 (A) - 1994
Colour, Gardner:	1 – 4	ISO 4630 - 1981
Non-volatile content, %:	40 – 50	ISO 3251 - 1974 (2g, 3 h, 105 °C)
Flash point, °C:	> 23	
Solvent:	xylene	

Properties

Borchi® Kat 0245 accelerates the chemical reaction between the alcohol and isocyanate component of polyurethane coating systems, thus allowing optimum steering of the drying properties, both during force-drying and curing at room temperature.

The use of **Borchi® Kat 0245** ensures fast blocking stability of polyurethane coatings. Moreover improves solvent resistance, high film hardness and early sandability of the coating. **Borchi® Kat 0245** can be used as a replacement for dibutyltin dilaurate (DBTL), in many systems yielding better properties than DBTL catalysed systems. In particular, the use of **Borchi® Kat 0245** in many systems yields a longer pot life without affecting the drying time.

Applications

Borchi® Kat 0245 is suitable for pigmented solvent-borne one- and two-component polyurethane coatings, e.g. for automotive refinishing and industrial coating. In these formulations, **Borchi® Kat 0245** is characterized by its very good and consistent activity and stability, even after prolonged storage.



Use and Dosage

Our experience has shown the recommended addition rate of **Borchi® Kat 0245** to be between 0.05 and 0.20 % product, calculated on solid binder. The exact amount depends on the used binder and should be determined by means of preliminary trials.

Borchi® Kat 0245 can be added as supplied or solved in any suitable solvent (e.g. in xylene) to the polyol component of the coating system. The solution has to be homogenized by stirring.

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.

Updated: 25.02.2009

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

Our product information is given in good faith but without warranty. This also applies where proprietary rights of third parties are involved. This information does not release the customer from the obligation to test our products as to their suitability for the intended processes and uses. The application, use and

processing of our products and the products manufactured by the customer on the basis of our technical advice are beyond our control and, therefore, entirely the customer's own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.