



Tin-free catalyst  
for one- and two-component polyurethane coatings

## Description

**Borchi® Kat 22** is a tin-free catalyst based on metal carboxylate. It is an accelerator for solvent-borne one- and two-component polyurethane coatings and polyurethane-based Coil-Coating systems. **Borchi® Kat 22** contains no organic complexing agents.

**Borchi® Kat 22** is an ecologically safe replacement for other polyurethane catalysts, especially for tertiary amines and DBTL.

## Characteristic data

Appearance:	colourless to yellowish, viscous liquid	
Active ingredient content, %:	100	
Density (20 °C), g/cm <sup>3</sup> :	1.15 – 1.20	DIN 53217 - 1991
Colour, Gardner:	1 – 4	DIN EN ISO 4630
Flash point, °C:	> 100 (typical)	
Solubility:	soluble in standard organic coatings solvents, e.g. white spirit, xylene, glycols, ketones, esters	

## Properties

**Borchi® Kat 22** accelerates the chemical reaction between polyol and isocyanate component of polyurethane coating systems, thus allowing optimal control of the drying properties, both during forced-drying and curing at room temperature.

**Borchi® Kat 22** ensures fast blocking stability of polyurethane coatings. Moreover improves solvent resistance, increased film hardness and allows earlier sanding of the coating.

**Borchi® Kat 22** can be used as a replacement for dibutyl tin dilaurate (DBTL), in many cases yielding better properties than DBTL catalysed systems. Use of this product often provides a prolonged pot life by unchanged drying times.

## Applications

**Borchi® Kat 22** is suitable for one- and two-component solvent-borne polyurethane clear coats and pigmented coating systems, e.g. for automotive refinishing and industrial coatings as well as for Coil-Coating paints based on blocked isocyanate systems. In this application **Borchi® Kat 22** provides a high catalytic activity.



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## Use and Dosage

Our experience has shown the recommended addition rate of **Borchi® Kat 22** to be between 0.01 and 0.03 % product, calculated on solid binder. The exact amount depends on the used binder and should be determined by means of preliminary trials.

**Borchi® Kat 22** can be added either in the supply form or diluted in any suitable solvent (e.g. butyl acetate, xylene, methoxypropylacetate) to the polyol component of the coating system. The solution has to be homogenized by stirring.

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## 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.

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## Safety

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

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