



Organo-modified silicone copolymer, 100 % active ingredient

Description

Borchi® GoI LA 2 is a VOC free surface active agent based on an organo-modified silicone compound. It improves flow and levelling properties in solvent based, solvent free and water soluble coating systems.

Borchi® GoI LA 2 develops a medium surface tension reduction and can be used either for clear-coats or for pigmented coating systems.

Characteristic data

Appearance:	clear liquid	
Turbidity, NTU:	max. 4.5	Borchers 100-36/3
Hazen Colour Shade:	max. 300	DIN 53409
Viscosity (25 °C), mm ² /s:	600 – 1,000	Borchers 100-21/5
Density (25 °C), g/ml:	approx. 1.03 (typical)	DIN 51757
Refracting index (23 °C):	approx. 1.448	DIN 51423
Flash point, °C:	> 100 (typical)	

Properties

Borchi® GoI LA 2 facilitates flow and levelling characteristics to a wide range of formulated systems. The formation of surface defects like cratering, pin holes or Bénard cells will be inhibited.

Borchi® GoI LA 2 provides mar and scratch resistance as well as enhanced blocking stability. The optical appearance will be favourably controlled.

Applications

Borchi® GoI LA 2 is characterized by good binder compatibility and is particularly suitable for chemically curing finishing paints like hydroxyl bearing polyacrylates and polyesters (e.g. range *Desmophen®* served by Bayer Material Science), primarily polyester melamine or epoxy systems.

Furthermore **Borchi® GoI LA 2** supports levelling in physically curing finishes based on long-, middle and short chain alkyds and polyacrylates.

Borchi® GoI LA 2 is especially recommended in systems where solvent free additives or certain solvents are required. To facilitate incorporation ability it may be helpful to dissolve **Borchi® GoI LA 2** in solvents glycol-, aliphatic-, aromatic-, or ester based.



Dosage

Borchi® Gol LA 2 can be added to the paint in any formulation step including post addition. Its addition is recommended in the final production step after adding all coating ingredients.

The amount of **Borchi® Gol LA 2** depends on the required effect. Usual amounts are approx. 0.02 to 0.30 % by weight on total formulation. The optimum amount should be determined individually by pre-trials. When preparing pigmented systems, occasionally higher amounts are needed.

Storage

Protect from the effects of weathering and store at temperatures between 5 and 30 °C.
Once opened. Containers should be released 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.