



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), mm²/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.

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