



Organo-modified silicone copolymer, 50 % active ingredient in butyl glycol

Description

Borchi® Gol LA 1 is a surface active agent based on an organo-modified silicone compound. It improves flow and levelling properties in water and solvent borne coating systems.

Borchi® Gol LA 1 develops a medium surface tension reduction and can be used either for clear-coats or for pigmented coating systems.

Characteristic data

Appearance:	clear liquid	
Active ingredient:	50 %	
Density (20 °), g/cm³:	approx. 0.97	DIN 51757
Viscosity (23 °C), s:	max. 25	DIN 53211
Refracting index (23 °C):	1.430 – 1.435	DIN 51423

Properties

Borchi® Gol LA 1 facilitates flow and levelling characteristics to a wide range of formulated systems. The formation of surface defects like craters, pin holes or Bénard cells will be inhibited.

Borchi® Gol LA 1 favourably controls optical appearance with reduced haze and increased gloss. It will slightly promote surface slip and anti blocking properties.

Applications

Due to the solvent butyl glycol the use of **Borchi® Gol LA 1** is also recommended in water borne or water soluble systems. It is characterized by good binder compatibility and is particularly suitable for chemically curing finishing paints based on hydroxyl-functional polyacrylates and polyesters (e.g. *Bayhydrol®*/*Desmophen®* resin binders served by Bayer Material Science), primarily polyester melamine or polyester isocyanate systems.

In physically drying systems like water soluble alkyds, polyurethane and acrylate dispersions **Borchi® Gol LA 1** improves scratch, levelling and slip behaviour.



Dosage

Borchi® Gol LA 1 can be added to the paint in any formulation step including post addition. We recommend its addition in a final production step after adding all ingredients.

The required amount of **Borchi® Gol LA 1** depends on the required effect. Usual amounts are approx. 0.1 to 0.3 % 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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