



Solventless modified polysiloxane with strong slip enhancement as well as improvement of flow and leveling properties with low foam stabilisation

Description

Borchi® Gol LA 200 is a solventless modified polysiloxane which provides high surface slip and improves flow and leveling properties. In the film embedded air bubbles will quickly agglomerate and be transported quickly to the interface and destroyed.

Characteristic data

Appearance::	virtually clear liquid	
Iodine Colour Shade:	max. 4	DIN 6162
Viscosity (23 °C), mPa·s:	70 - 140	DIN 53015
Refractive Index (23 °C);	1.43 – 1.44	DIN 51423
Delivery form, %:	100	
Flash point, °C:	> 140 (typical)	
Density (20 °C), g/ml:	1.00 – 1.05 (typical)	
Surface tension (23 °C), mN/m:	approx. 20 (typical)	

Properties

Borchi® Gol LA 200 provides surface tension reduction which leads to an even film formation. The surface slip will significantly increase resulting in good anti blocking and scratch resistance properties.

Borchi® Gol LA 200 prevents cratering and pin holes tendencies and provides substrate wetting.

Borchi® Gol LA 200 positively influences optical film properties. It improves air release properties through agglomeration of entrapped and embedded smaller air bubbles forming larger units which then rise to the surface at a faster rate.

Borchi® Gol LA 200 should be added as a concentrate into the system. If premixes are necessary due to certain conditions, clear solutions can be virtually prepared with all common solvents. For the use in water borne systems blends with short and long chain polyglycolethers have proved successful.

Applications

Borchi® Gol LA 200 is characterized by a good binder and system compatibility. The product can be used for high quality clears and pigmented industrial (including OEM, car repair) and all types of decorative coatings. The efficiency is independent from the curing mechanism of the respective system.



Dosage

The right dosage depends on the desired effect and the system ingredients. Due to our experience the amount should be within 0.05 up to 0.30 % **Borchi® Gol LA 200** based on total formulation. The additive can be added at any formulation step, however, the best preparation and efficiency is assured by adding at the end of the formulation process.

Storage

To protect from the effects of weathering and light the product should be stored 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.

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