

Borchi® Gel 0630

Non-ionic, polyurethane-based low shear range thickener for water-based coatings systems, contains no emulsifiers, tin- and APEO-free

Physical Characteristics

Appearance	Opalescent, high-viscous liquid
Non-volatile content	22 - 27 % ISO 3251 (2g, 3h, 105 °C)
pH	5.5 - 8.0
Density	1.02 - 1.07 g/cm ³ DIN 53217 (23 °C)
Viscosity	Max. 15000 mPa.s ISO 3219 (A) (23 °C)
Solvent(s)	Water, DPM, 1,2 Propanediol

Features

- Develops viscosity stability and improves rheological properties mainly in the lower shear range
- Enables application of thick layers on vertical surfaces
- Effectively prevents sagging
- Does not yellow or cause chalking in the cured film
- APEO-free
- Tin-free
- Butyl glycol-free

Applications

- Spray coatings
 - Industrial
 - Architectural
 - Automotive
- Brush and roll coatings when used with Newtonian thickener

Dosage

- 0.5 - 1.0% on total paint formulation

The best incorporation method is to add it after the pigment/filler dispersion stage but prior to being let down. Under low shear mixing conditions, a pre-dilution in water or a mixture of water/propylene glycol may be necessary for complete incorporation. The exact dosage should be experimentally determined.

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. Transport or storage may cause a foam on the surface or a slight phase shift. A homogenization of the product is necessary to recover a normal aspect before use without a negative impact on the effectiveness of the product.

Safety

The product is not subject to the German Regulation on hazardous material and no labelling is required in accordance with the EEC directives. It is not dangerous cargo. Please refer to our safety data sheet for information relating to product safety.

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