

Borchi® Gel 0621

Non-ionic, polyurethane-based low shear range thickener for water-based coatings systems, VOC-, tin- and APEO- free

Physical Characteristics

Appearance	Opalescent, high-viscous liquid
Non-volatile content	28 - 31 % ISO 3251 (2g, 3h, 105 °C)
pH	4 - 7
Density	1.01 - 1.05 g/cm ³ DIN 53217 (23 °C)
Viscosity	Max. 6000 mPa.s ISO 3219(A)-1994 (23 °C)
Solvent	Water

Features

- Develops viscosity stability and improves rheological properties mainly in the low shear range
- Enables application of thick layers on vertical surfaces
- Effectively prevents sagging
- Does not yellow or cause chalking in the cured film
- Free of hazardous air pollutants (HAPs)
- APEO-free
- Tin-free

Applications

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

Dosage

- 0.2 - 3.0% on total formulation

The best incorporation method is to add it after the pigment/filler dispersion 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.

Safety

Please refer to our safety data sheet for information relating to product safety.

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