

Borchi® Gel NA

TECHNICAL DATA

Low shear thickener for water-based coatings systems, VOC-free, APEO-free, tin-free

FEATURES

- Thixotropic additive for use in water-based coatings systems whose binders contain free hydroxyl and carboxyl groups
- Develops viscosity in the low shear range to prevent settling and separation
- Improves viscosity stability of a coating after tinting with Universal Colorants
- Can be used as post additive to adjust the final viscosity of a formulation
- VOC-free
- APEO-free
- Tin-free

PHYSICAL CHARACTERISTICS

Appearance	Clear to slight turbid, colorless to yellowish liquid
Non-volatile content	NA
pH	6 - 8
Density	1.33 g/cm ³ DIN 51757 (20 °C)
Viscosity	NA
Solvent(s)	Water

SAFETY

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

Contact us for more information

www.borchers.com/contact

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

APPLICATIONS

- Wide range of polymer systems
 - Vinylacetate
 - Acrylic
 - Styrene acrylic
 - Colloid
 - Surfactant stabilized polymers
- Coatings
 - Interior
 - Exterior

DOSAGE

Typical usage levels are 0.5 - 2.0 % as supplied based on the total weight of the formula. In difficult systems it could be necessary to increase the dosage up to 5 % (as supplied) on total formulation. The degree of thixotropy will depend on the type of reactive groups present in the system, the pH of the coating (ideally between 7.5 and 8.5), the level of the desired gel structure and the amount of Borchi® Gel NA used. The exact dosage should be experimentally determined. We recommend adding Borchi® Gel NA at the end of the formula under good mixing conditions to prevent gel seeds from forming and to develop a homogeneous gel structure.

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.