

Borchi® Gel PN

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

Physical Characteristics

Appearance	Clear, colorless to slight yellowish liquid
Non-volatile content	NA
pH	9
Density	1.23 g/cm ³ DIN 51757 (20 °C)
Viscosity	NA
Solvent(s)	Water

Features

- Thixotropic additive for use in water-based coatings systems whose binders or additives contain free hydroxyl and carboxyl groups
- Develops viscosity in the low shear range
- Improves viscosity stability of a coating after tinting with Universal Colorants
- Once applied the structure rebuilds slowly for improved flow and leveling while retaining good sag resistance
- VOC-free
- APEO-free
- Tin-free

Applications

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

Dosage

- 0.5 - 2.0% on total paint 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 PN used. The exact dosage should be experimentally determined. Borchi® Gel PN can be added to the mill-base or as a post add provided good mixing conditions are used.

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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