

Borchi® Gel PW 25

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

Physical Characteristics

Appearance	Liquid, yellow
Non-volatile content	24 - 26 % ISO 3251 (1g, 1h, 105 °C)
pH	7 Neutral
Density	1.07 g/cm ³ DIN 51757 (20 °C)
Viscosity	8000 - 15000 mPa.s (20 °C)
Solvent(s)	Water, 1,2 Propanediol

Features

- Exceptionally good thickening properties in most fine particle dispersion binders with low emulsifier content
- Very high water-retention capacity which promotes longer wet edge times than normal
- Added at low levels so water and scrub resistance of the cured surface will not be adversely affected
- Will not cause yellowing or chalking in cured film

Applications

- Coatings
 - General Industrial
 - Decorative

Dosage

- 0.1 - 2.0% on total formulation

The exact dosage must be experimentally determined. In most applications, Borchi® Gel PW 25 must be pre-diluted with water first at a ratio of 1:4. This solution can then be added at any stage of the production including as a viscosity adjustment. Borchi® Gel PW 25 can only be used in its supplied form if there is sufficient water at a temperature of 50 - 60°C available for the dispersion; however, the binder must be added last. **WARNING:** Borchi® Gel PW 25 must not be added to the dispersion binder or the finished emulsion paint in its supplied form. It is highly active and immediate irreversible coagulation of the binder will occur. Borchi® Gel PW 25 must be pre-diluted before adding to the coating in these situations.

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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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.