

## Borchi® Gel 0620 DFP

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

### Physical Characteristics

Appearance	Clear to hazy liquid
Non-volatile content	19 - 21 % ISO 3251 (2g, 3h, 105 °C)
pH	5.5 - 8.0
Density	0.950 - 0.990 g/cm <sup>3</sup> DIN 53217 (23 °C)
Viscosity	Max. 1000 mPa.s ISO 3219 (A) (23 °C)
Solvent(s)	Water, 2-Butoxyethanol

### 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
- APEO-free
- Tin-free

### Applications

- Coatings
  - E-coat
  - General Industrial
  - Automotive primers and basecoats

### Dosage

- 0.6 - 1.0% on total paint formulation

Borchi® Gel 0620 DFP is easy to use and can be added at any stage of the 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. At low temperature (5°C), a white precipitate is formed. This is reversible when warming and/or stirring 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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