

# Borchi® Gen 1750

## TECHNICAL DATA

High molecular weight, VOC-free, polyurethane wetting and dispersing agent for a variety of pigments and binders in water-based systems

### FEATURES

- Efficient for dispersing and stabilizing transparent and opaque iron oxide pigments
- Excellent with organic and inorganic pigment blends
- Small particle size dispersions producing high transparency
- Low viscosity grinds allowing for up to 40 % pigment loading with trans oxide pigments and over 60 % with opaque iron oxides
- Long-term dispersion stability with no settling is possible when combined with Borchi® Gel PN or NA
- Enables the wetting and stabilization of pigments without impacting corrosion protection

### PHYSICAL CHARACTERISTICS

Appearance	Liquid, yellow
Non-volatile content	38 - 42 %
pH	3.5 - 5.5
Density	1.03 - 1.07 g/cm <sup>3</sup>
Viscosity	Max. 1000 mPa.s
Solvent(s)	Water

### APPLICATIONS

- Coatings
  - Automotive
  - Wood
  - Industrial

Contact us for more information

[www.borchers.com/contact](http://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](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

### DOSAGE

The exact dosage should be experimentally determined through a ladder study. Borchi® Gen 1750 should be added to the mill base before adding the pigment. Active pigment loading:

- Transparent iron oxide: 50 - 70 %
- Titanium dioxide: 4 - 8 %
- Inorganic pigments: 5 - 15 %
- Organic pigments: 25 - 70 %

### STORAGE

Protect from the effects of weather and store at temperatures between 5 and 40 °C. Once opened, the container should be resealed immediately after each use. The material will become cloudy over time during storage at temperatures below 10 °C- this doesn't affect the performance, but the product should be homogenized before use. The cloudiness can be reversed by heating to room temperature or by heating short term to 40 °C (until clear) without affecting the performance of the product.

### SAFETY

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