

Borchi® Gen 1750

High molecular weight, VOC-free wetting and dispersing agent for transparent iron oxides, iron oxides, inorganic pigments and extenders in water-based systems

Physical Characteristics

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

Features

- Specifically designed for dispersing and stabilizing transparent iron oxide pigments
- Excellent with opaque iron oxides
- 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
- Suitable with titanium dioxide and other inorganic pigments and fillers

Applications

- Coatings
 - Automotive
 - Wood

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.

811 Sharon Drive / Westlake, OH 44145 / Telephone: +1 800-321-9696 / 440-899-2950 / Fax: +1 440-808-7114 / Internet: www.borchers.com / E-Mail: info.us@borchers.com

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.