borchers
A MILLIKEN BRAND

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^3
Viscosity	Max. 1000 mPa.s
Solvent(s)	Water

APPLICATIONS

- Coatings
  - Automotive
  - Wood
  - Industrial

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.

Contact us for more information

www.borchers.com/contact

09/2025

Milliken