

## Borchi® Gen 1252

High molecular weight wetting and dispersing agent for titanium dioxide, iron oxide and other inorganic pigments and fillers in water- and solvent-based coating systems

### Physical Characteristics

Appearance	Liquid, colorless
Non-volatile content	100 %
pH	3 - 4 (aqueous solution 10 %)
Density	1.13 g/cm <sup>3</sup> , 23 °C
Viscosity	Max. 3,500 mPa.s
Solvent(s)	NA

### Features

- Excellent with titanium dioxide pigments providing high tint strength and contrast ratio
- Strong affinity to iron oxide pigments resulting in stable dispersions with excellent color development
- Over 70 % titanium dioxide and 60 % iron oxide pigment loadings are possible with free-flowing viscosities
- Long-term dispersion stability can be achieved when combined with Borchi® Gel PN in water-based systems
- High gloss

### Applications

- Coatings
  - Automotive
  - Industrial
  - Architectural
  - Wood
  - Protective and Marine
- Pigment dispersions

### Dosage

Depending on the pigment grade, the recommended dosage is

- Titanium dioxide: 2-3 %
- Iron oxides: 5 %

The exact dosage should be experimentally determined through a ladder study. Borchi® Gen 1252 should be added to the mill base before adding the pigment. Neutralization is required when used in water-based systems as follows, Per 1-part Borchi® Gen 1252:

AMP 90: 0.041  
AMP 95: 0.038  
DMEA: 0.037  
TEA: 0.041

### Storage

Protect from the effects of weather and store at temperatures between 5 and 30 °C. At temperatures below 15 °C turbidity and flocculation may occur. This effect is reversible and does not influence the product efficiency, so warm up to room temperature and mix well before use. 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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