

## Borchi® Gen 0451

High molecular weight non-ionic, APEO- and VOC-free dispersant for organic pigments and carbon black in water- and solvent-based coating systems

### Physical Characteristics

Appearance	Liquid, yellow-orange
Non-volatile content	100 %
pH	8 - 10 (aqueous solution 10 %)
Density	1.09 - 1.15 g/cm <sup>3</sup>
Viscosity	Max. 30,000 mPa.s
Solvent(s)	NA

### Features

- Specifically designed for dispersing difficult organic pigments and carbon black
- Low viscosity dispersions
- High transparency with organic pigments
- High jetness with carbon black
- Long-term dispersion stability
- Compatible with a wide range of resin systems

### Applications

- Coatings
  - Automotive
  - Industrial
  - Protective and Marine
  - Decorative
- Printing inks

### Dosage

Depending on the pigment grade, the recommended dosage is

- Organic pigments: 20 - 35 %
- Medium black: 40 - 50 %
- High jetness carbon black: 70 - 100 %

The exact dosage should be experimentally determined through a ladder study. Borchi® Gen 0451 should be added to the mill base before adding the pigment.

### Storage

Protect from the effects of weather and store at temperatures between 15 and 30 °C. Turbidity and flocculation may occur if Borchi® Gen 0451 is exposed to temperatures below 15 °C. This effect is reversible and does not affect its potency. Warm the material to room temperature and mix well before using. If its viscosity has also increased and it is difficult to handle the material must be heated to 50 °C to return the viscosity to normal. 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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