

## Borchers® Deca 203

Special combination drier based on Cobalt, Barium and Zinc for oxidatively drying paint systems

### Physical Characteristics

Appearance	Clear, violet liquid
Metal content	Ba: 7.00 - 7.40 % Co: 1.10 - 1.30 % Zn: 3.10 - 3.30 % DIN 55901 Total 11.20 - 12.00 % (calculated)
Non-volatile content	55.00 - 65.00 % ISO 3251 (2g, 3h, 105 °C)
Viscosity	Max. 250 mPa·s ISO 3219 (A) (20 °C)
Specific gravity	NA
Density	0.970 - 1.010 g/cm <sup>3</sup> DIN 51757 (20 °C)
Solvent	White-spirit containing <1 % aromatics

### Features

- Promotes uniform through-drying
- Prevents wrinkling and skinning
- Excellent drier stability
- Low viscosity
- Readily meterable
- Long shelf-life
- Improved drying times even under adverse atmospheric conditions
- Cloudiness and precipitation do not occur

### Applications

- All binder systems that dry by oxidation, especially:
  - o White and light-colored paints

### Dosage

Experiments have shown that the necessary addition of Borchers® Deca 203 should be between 2 and 5 % relative to solid resin, depending on the resin and the pigment system. This is equivalent to a cobalt content of 0.024 to 0.060 %. When using pigments which retard the drying process such as carbon black or toluidine red, a higher addition rate or special stabilization may be necessary. Borchers® Deca Barium 12.5 or Octa-Soligen® Calcium 10, basic are suitable for this purpose. In paint systems which already contain zinc compounds (e.g. zinc-treated titanium dioxide), the zinc in Borchers® Deca 203 may retard drying. Addition of Borchers® Deca Zirconium 6 brings about an improvement in many such cases. It may still be necessary to switch to a different drier system, however, in this case we recommend trials with Borchers® Deca 173.

### Storage

Protect from the effects of weathering and store at temperatures below 50 °C. 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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