

## Aqueous pigment paste based on Carbon Black FW 200

Raw Material	Supplier	% by wt.
<b>Borchi® Gen 0851</b>	(1)	22.0
<b>Borchi® Gol LA 200</b>	(1)	0.2
Water		62.8
Carbon Black FW 200	(2)	15.0
<b>Total</b>		<b>100.0</b>
<i>Dispersion: 60 min, on Skandex BAS-20, in 250 ml screw-top jar with 150 g Zr-Silicate grinding beads D = 2 mm</i>		

**Remarks** The addition of 0.1% Preventol D6 is recommended as preservative.

<b>Data</b>	Particle size (using Grindometer)	< 5 µm
	Viscosity (at shear rate 100 s <sup>-1</sup> ; 23 °C)	62 mPa·s

### Testing of pigment paste in Binder formulation (Alkyd resin emulsion)

Raw Material	Supplier	% by wt.
1. <b>Resydrol AY 586 W</b>	(3)	89.0
2. <b>Pigment paste, see above</b>		10.0
3. <b>Borchers® Deca Cobalt 7 aqua</b>	(1)	0.8
4. <b>Borchi® Nox M2</b>	(1)	0.2
<b>Total</b>		<b>100.0</b>
<i>Paste up const.2. into the const. 1. and homogenize well, then stir in the const.3. Finally add const.4. After maturing for one day, it is applied on glass in a wet film thickness of 100 µm. Gloss and Haze are measured after drying for 24 hours.</i>		

<b>Data</b>	Haze and Gloss (20° angle), DIN 67530 / ISO 2813	12 / 82
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**Suppliers**

- (1) Borchers ([www.borchers.com](http://www.borchers.com))
- (2) Orion Engineered Carbons ([www.orioncarbons.com](http://www.orioncarbons.com))
- (3) Cytec ([www.cytec.com](http://www.cytec.com))

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