

Aqueous pigment paste based on Carbon Black FW 200

Raw Material	Supplier	% by wt.
Borchi® Gen 0851	(1)	22.0
Borchi® Gol LA 200	(1)	0.2
Water		62.8
Carbon Black FW 200	(2)	15.0
<i>Total</i>		<i>100.0</i>
<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.

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

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

Raw Material	Supplier	% by wt.
1. Resydrol AY 586 W	(3)	89.0
2. Pigment paste, see above		10.0
3. Octa-Soligen® Cobalt 7 aqua	(1)	0.8
4. Borchi® Nox M2	(1)	0.2
<i>Total</i>		<i>100.0</i>
<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>		

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

- (1) Borchers (www.borchers.com)
- (2) Orion Engineered Carbons (www.orioncarbons.com)
- (3) Cytec (www.cytec.com)

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