

Pigment concentrates

EU SF 4.4.

Aqueous pigment paste based on Carbon Black FW 200

Formulation	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
	Total		100.0

Dispersion: 60 min, on Skandex BAS-20, in 250 ml screw-top jar with 150 g Zr-Silicate grinding beads D = 2 mm

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)

Formulation	Raw Material	Supplier	% by
1.	Resydrol AY 586 W	(3)	89.0
2.	Pigment paste, see above		10.0
3.	Borchers® Deca Cobalt 7 aqua	(1)	0.8
4.	Borchi® Nox M2	(1)	0.2
	Total		100.0

Indications 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.

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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