

Pigment concentrates

US SF 4.8.

Pigment concentrates for universal applications,
based on Carbon Black FW 200

Formulation

Raw Material	Supplier	% By
Borchi® Gen 0451	(1)	12.0
Methoxy propyl acetate		73.0
Carbon Black FW 200	(2)	15.0
Total		100.0
<i>Dispersion: 60 min, on Skandex BAS-20, with 150 g Zr-silicate grinding beads (2mm)</i>		

Remarks

For aqueous systems applications can be additionally added butyl glycol.

Data

Particle size (using Grindometer):	ca. 3 µm
Consistency:	free-flowing
Viscosity (at shear rate 100 s ⁻¹ ; 23 °C):	750 mPa·s
Storage (2 weeks at 50 °C):	stable (no significant alteration of the viscosity and particle size)

Testing of pigment paste in Binder formulations:

- Borchers - Formulation RR 5.1. (based on Bayhydrol A 145)

Data

Haze and Gloss, DIN 67530 / ISO 2813	Haze	13
	Gloss Gardner (20° / 60° angle)	65 / 78

- Borchers - Formulation (based on Desmophen 2350)

Data

Haze and Gloss, DIN 67530 / ISO 2813	Haze	10
	Gloss Gardner (20° / 60° angle)	85 / 91

Suppliers

- (1) Borchers Americas (www.borchers.com)
- (2) Orion Engineered Carbons (www.orioncarbons.com)

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