

## Pigment concentrates

## US SF 4.5.

Resin free carbon black pigment dispersions, based on Special Black 4, Special Black 101, and COLOUR BLACK FW 200

Pigment paste	(Supplier)	A	B	C	D
<i>Color index</i>		<i>P. Bl. 7</i>			
Pigment Trade name	(1)	Special Black 4	Special Black 4	Special Black 101	COLOUR BLACK FW 200
Pigment		25.6	25.0	25.6	15.7
<b>Borchi® Gen 0451</b>	(2)	10.2	17.5*	10.2	9.4
Solvent mixture **		64.2	—	64.2	74.9
Solvesso 100	(3)	—	5.8	—	—
Methoxy propyl acetate		—	51.7	—	—
<b>Total</b>		<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Dosage of additive active content based on pigment content</b>		<b>40 %</b>	<b>35 %</b>	<b>40 %</b>	<b>60 %</b>

All indications are as supply form (in % by wt).

\* Borchi® Gen 0451 is added hier dissolved 50% in methoxy propyl acetate.

\*\* Solvent mixture = xylene : methoxy propyl acetate : butyl acetate (1:1:1)

**Dispersion:** 60 min. on Skandex BAS-20, with 150 g Zr-Silicate grinding beads (2mm)

### Data

Particle size (using Grindometer):	< 10 µm
Consistency:	free-flowing
Viscosity (at shear rate 100 s <sup>-1</sup> ; 23 °C):	< 350 mPa s
Storage (2 weeks at 50 °C):	stable (no significant alteration of the viscosity and particle size)

### Suppliers

- (1) Orion Engineered Carbons ([www.orioncarbons.com](http://www.orioncarbons.com))
- (2) Milliken ([www.milliken.com](http://www.milliken.com))
- (3) Exxon Chemical ([www.exxonmobil.com](http://www.exxonmobil.com))

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