

Binder-free and solvent-free pigment concentrates, based on inorganic pigments

Pigment paste		A	B	C	D	E
Colour index		P.Y. 42	P.R. 110	P.B. 29	P.W. 6	P.G.17
Pigment Trade Name		Bayferrox 3920 (2)	Bayferrox 130M (2)	Ultramarinblau UB EP38 (3)	Crenox R-KB-4 (4)	Cromoxidgrün GN (2)
Pigment		65.0	65.0	65.0	65.0	65.0
Borchi® Gen 12	(1)	4.0	4.0	4.0	4.0	3.5
Borchi® Gen AP	(1)	1.0	1.0	1.0	1.0	1.5
Aerosil R 972	(5)	0.5	0.5	0.5	0.5	0.5
Water		22.1	22.1	22.1	22.1	22.1
Polyglycol 200	(6)	7.4	7.4	7.4	7.4	7.4
Total		100.0	100.0	100.0	100.0	100.0
Dosage of additive active content based on pigment content		7.7 %	7.7 %	7.7 %	7.7 %	7.7 %
Viscosity (at shear rate 10 s ⁻¹)		2500 mPa·s	750 mPa·s	3200 mPa·s	500 mPa·s	350 mPa·s

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

Dispersion: 60 min, on Skandex Shaker, with 1.5 times Zr-silicate grinding beads (2mm)

Data

Particle size (using Grindometer)	< 10 µm
Consistency	free-flowing
Storage stability (2 weeks at 50 °C)	stable (no significant alteration of particle size and colour strength)

Suppliers

- (1) Borchers (www.borchers.com)
- (2) Lanxess (www.bayferrox.com)
- (3) Nubiola (www.nubiola.com)
- (4) Crenox (www.crenox.com)
- (5) Evonik (www.aerosil.com)
- (6) Clariant (www.clariant.com)

Updated: 25.01.2016

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