

Starting point formulation – Pigment concentrates for solvent-borne systems with DISPERBYK-108

Position	Component	Supplier	Function	Pigment							
				PW 6	PY 42	PY 74	PR 101	PR 112	PB 15:4	PG 7	PBk 7
				Kronos 2160	Bayferrox 3910	Hansa Brilliant Yellow 2GX 70	Bayferrox 130 M	Permanent Red FGR	Heliogen Blue L 7101 F	Heliogen Green L 8730	Special Black 100
				Kronos International	Lanxess	Sudarshan	Lanxess	Sudarshan	Sun Chemical	Sun Chemical	Orion Engineered Carbons
1	Longoil alkyd (72% solids)		Binder	25.00	35.00	40.00	30.00	30.00	45.00	45.00	45.00
2	Exxsol D40	ExxonMobil	Solvent	13.30	12.10	23.10	6.00	37.70	24.80	27.70	24.30
3	DISPERBYK-108	BYK	Wetting and dispersing	0.90	2.00	1.40	3.00	1.80	1.70	1.80	2.20
4	GARAMITE-1958	BYK	Anti-settling	0.30	0.40	-	0.50	-	-	-	-
5	Pigment	See headline	Color	60.00	50.00	35.00	60.00	30.00	28.00	25.00	28.00
6	Borchinox M2	Borchers	Anti-skinning	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Instructions

Premix position 1–4, add pigment and disperse well (beads are recommended), add position 6 while stirring.

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-108 1.50% 4.00% 4.00% 5.00% 6.00% 6.10% 7.20% 7.90%

Pigment : binder ratio (solid : solid binder) 3.30 : 1 2.00 : 1 1.20 : 1 2.80 : 1 1.40 : 1 0.90 : 1 0.80 : 1 0.90 : 1



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