

Starting point formulation – Pigment concentrates for high solid systems with DISPERBYK-2155 TF

				Pigment	Kronos 2160	Bayferrox 3910	Hansa Brilliant Yellow 2GX 70	Paliotol Yellow L 2140 HD	Paliotol Orange L 2130 HD	Bayferrox 130 M	Permanent Red FGR	Irgazin Red L 3670 HD
				Supplier	Kronos International	Lanxess	Sudarshan	Sun Chemical	Sun Chemical	Lanxess	Sudarshan	Sun Chemical
Position	Component	Supplier	Function	PW 6	PY 42	PY 74	PY 139	PO 67	PR 101	PR 112	PR 254	
1	WorléeKyd P 151 (100%)	Worlée	Binder	26.30	41.50	51.40	55.00	32.00	22.00	56.00	52.00	
2	Exxsol D40	ExxonMobil	Solvent	11.60	14.60	19.40	19.60	22.00	11.10	19.60	24.60	
3	DISPERBYK-2155 TF	BYK	Wetting and dispersing	1.20	3.00	3.80	5.00	6.80	1.70	4.00	5.00	
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	-	-	-	-	-	
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-	0.80	-	-	-	
6	GARAMITE-1958	BYK	Anti-settling	0.50	0.50	-	-	-	0.50	-	-	
7	Pigment	See headline	Color	60.00	40.00	25.00	20.00	38.00	60.00	20.00	18.00	
8	Borchinox M2	Borchers	Anti-skinning agent	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Instructions

Premix position 1–6, add pigment and disperse well.

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2155 TF	2.00 %	7.50 %	15.20 %	25.00 %	17.90 %	10.00 %	20.00 %	22.00 %
BYK-SYNERGIST 2100	-	-	-	-	-	-	-	-
BYK-SYNERGIST 2105	-	-	-	-	-	-	-	-

Pigment : binder ratio (solid : solid binder)

2.30 : 1	1.00 : 1	0.50 : 1	0.40 : 1	1.20 : 1	2.70 : 1	0.40 : 1	1.00 : 1
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Position	Component	Supplier	Function	Pigment					
				PR 101	PV 23	PB 15:3	PB 15:4	PG 7	Bk 7
				Hostaperm Pink E	Hostaperm Violet RL special	Heliogen Blue L 7085	Heliogen Blue L 7101 F	Heliogen Green L 8730	Special Black 4
				Sudarshan	Sudarshan	Sun Chemical	Sun Chemical	Sun Chemical	Orion Engineered Carbons
1	WorléeKyd P 151 (100%)	Worlée	Binder	52.00	52.00	55.00	60.00	60.20	52.00
2	Exxsol D40	ExxonMobil	Solvent	24.60	24.60	25.30	20.30	19.40	19.10
3	DISPERBYK-2155 TF	BYK	Wetting and dispersing	5.00	5.00	3.80	3.80	4.50	8.00
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	0.50	0.50	0.50	0.50
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-	-	-
6	GARAMITE-1958	BYK	Anti-settling	-	-	-	-	-	-
7	Pigment	See headline	Color	18.00	18.00	15.00	15.00	15.00	20.00
8	Borchinox M2	Borchers	Anti-skinning agent	0.40	0.40	0.40	0.40	0.40	0.40
Total				100.00	100.00	100.00	100.00	100.00	100.00

Instructions

Premix position 1–6, add pigment and disperse well.

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2155 TF	27.80 %	27.80 %	25.30 %	25.30 %	30.00 %	40.00 %
BYK-SYNERGIST 2100	-	-	3.30 %	3.30 %	3.30 %	2.50 %
BYK-SYNERGIST 2105	-	-	-	-	-	-

Pigment : binder ratio (solid : solid binder) 0.30 : 1 0.30 : 1 0.30 : 1 0.30 : 1 0.20 : 1 0.40 : 1



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