

Starting Formulation

Pigment concentrates for high solid systems

Pos.	Component	Supplier	Function	Kronos 2160	Bayferrox 3910	Hostaperm yellow 2GX70	Paliotol yellow L2140HD	Paliotol orange L2130HD
				PW 6	PY 42	PY 74	PY 139	PO 67
1	Worleekyd P151 (100%)	Worlee	Binder	26.3	41.5	51.4	55.0	32.0
2	Exxsol D40	Exxon Mobil	Solvent	11.6	14.6	19.4	19.6	22.0
3	DISPERBYK-2155	BYK	Wetting & Dispersing	1.2	3.0	3.8	5.0	6.8
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	-	-	-	-	-
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing	-	-	-	-	0.8
6	GARAMITE-1958	BYK	Anti-settling	0.5	0.5	-	-	-
7	Pigment & Color Index	see headline	Color	60.0	40.0	25.0	20.0	38.0
8	Borchinox M2	Borchers	Anti Skinning Agent	0.4	0.4	0.4	0.4	0.4
				100.0	100.0	100.0	100.0	100.0

Instructions

Premix position 1-6, add pigment and disperse well

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	2.0	7.5	15.2	25.0	17.9
BYK-SYNERGIST 2100	-	-	-	-	-
BYK-SYNERGIST 2105	-	-	-	-	2.1

Pigment : binder ratio (solid : solid binder)

2.3 : 1	1.0 : 1	0.5 : 1	0.4 : 1	1.2 : 1
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Pos.	Component	Supplier	Function	Bayferrox 130M	Permanent red FGR	Irgazin red L3670HD	Hostaperm pink E	Hostaperm violet RL-special
				PR 101	PR 112	PR 254	PR 122	PV 23
1	Worleekyd P151 (100%)	Worlee	Binder	22.0	56.0	34.0	52.0	52.0
2	Exxsol D40	Exxon Mobil	Solvent	11.1	19.6	22.9	24.6	24.6
3	DISPERBYK-2155	BYK	Wetting & Dispersing	6.0	4.0	7.7	5.0	5.0
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	-	-	-	-	-
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing	-	-	-	-	-
6	GARAMITE-1958	BYK	Anti-settling	0.5	-	-	-	-
7	Pigment & Color Index	see headline	Color	60.0	20.0	35.0	18.0	18.0
8	Borchinox M2	Borchers	Anti Skinning Agent	0.4	0.4	0.4	0.4	0.4
				100.0	100.0	100.0	100.0	100.0

Instructions

Premix position 1-6, add pigment and disperse well

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	10.0	20.0	22.0	27.8	27.8
BYK-SYNERGIST 2100	-	-	-	-	-
BYK-SYNERGIST 2105	-	-	-	-	-

Pigment : binder ratio (solid : solid binder)

2.7 : 1	0.4 : 1	1.0 : 1	0.3 : 1	0.3 : 1
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Pos.	Component	Supplier	Function	Heliogen blue L7085	Heliogen blue L7101F	Heliogen green L8730	Special black 4
				PB 15:3	PB 15:4	PG 7	PBk 7
1	Worleekyd P151 (100%)	Worlee	Binder	55.0	60.0	60.2	52.0
2	Exxsol D40	Exxon Mobil	Solvent	25.3	20.3	19.4	19.1
3	DISPERBYK-2155	BYK	Wetting & Dispersing	3.8	3.8	4.5	8.0
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	0.5	0.5	0.5	0.5
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing	-	-	-	-
6	GARAMITE-1958	BYK	Anti-settling	-	-	-	-
7	Pigment & Color Index	see headline	Color	15.0	15.0	15.0	20.0
8	Borchinox M2	Borchers	Anti Skinning Agent	0.4	0.4	0.4	0.4
				100.0	100.0	100.0	100.0

Instructions

Premix position 1-6, add pigment and disperse well

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	25.3	25.3	30.0	40.0
BYK-SYNERGIST 2100	3.3	3.3	3.3	2.5
BYK-SYNERGIST 2105	-	-	-	-

Pigment : binder ratio (solid : solid binder)

0.3 : 1	0.3 : 1	0.2 : 1	0.4 : 1
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