

Starting Formulation

Pigment concentrates for high solid systems
 using DISPERBYK-2155

Pos.	Component	Supplier	Function	Kronos 2160	Bayferrox 3910	Hostaperm yellow 2GX70	Paliotol yellow L2140HD	Paliotol orange L2130HD	Bayferrox 130M	Permanent red FGR
				PW 6	PY 42	PY 74	PY 139	PO 67	PR 101	PR 112
1	Worleekyd P151 (100%)	Worlee	Binder	26,3	41,5	51,4	55,0	32,0	22,0	56,0
2	Exxsol D40	Exxon Mobil	Solvent	11,6	14,6	19,4	19,6	22,0	11,1	19,6
3	DISPERBYK-2155	BYK	Wetting&Dispersing	1,2	3,0	3,8	5,0	6,8	6,0	4,0
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	-	-	-	0,5	-
7	Pigment & Color Index	see headline	Color	60,0	40,0	25,0	20,0	38,0	60,0	20,0
8	Borchinox M2	Borchers	Anti Skinning Agent	0,4	0,4	0,4	0,4	0,4	0,4	0,4
				100,0	100,0	100,0	100,0	100,0	100,0	100,0

Instructions

Premix position 1-6, add pigment and disperse well
 (beads are recommended), add position 8 under stirring

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	2,0	7,5	15,2	25,0	17,9	10,0	20,0
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 2,7 : 1 0,4 : 1

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Pos.	Component	Supplier	Function	Irgazin red L3670HD	Hostaperm pink E	Hostaperm violet RL-special	Heliogen blue L7085	Heliogen blue L7101F	Heliogen green L8730
				PR 254	PR 122	PV 23	PB 15:3	PB 15:4	PG 7
1	Worleekyd P151 (100%)	Worlee	Binder	34,0	52,0	52,0	55,0	60,0	60,2
2	Exxsol D40	Exxon Mobil	Solvent	22,9	24,6	24,6	25,3	20,3	19,4
3	DISPERBYK-2155	BYK	Wetting&Dispersing	7,7	5,0	5,0	3,8	3,8	4,5
4	BYK-SYNERGIST 2100	BYK	Wetting&Dispersing	-	-	-	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	35,0	18,0	18,0	15,0	15,0	15,0
8	Borchinox M2	Borchers	Anti Skinning Agent	0,4	0,4	0,4	0,4	0,4	0,4
				100,0	100,0	100,0	100,0	100,0	100,0

Instructions

Premix position 1-6, add pigment and disperse well
 (beads are recommended), add position 8 under stirring

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	22,0	27,8	27,8	25,3	25,3	30,0
BYK-SYNERGIST 2100	-	-	-	3,3	3,3	3,3
BYK-SYNERGIST 2105	-	-	-	-	-	-

Pigment : binder ratio (solid : solid binder)

1,0 : 1	0,3 : 1	0,3 : 1	0,3 : 1	0,3 : 1	0,2 : 1
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Pos.	Component	Supplier	Function	Special black 4
				PBk 7
1	Worleekyd P151 (100%)	Worlee	Binder	52,0
2	Exxsol D40	Exxon Mobil	Solvent	19,1
3	DISPERBYK-2155	BYK	Wetting&Dispersing	8,0
4	BYK-SYNERGIST 2100	BYK	Wetting&Dispersing	0,5
5	BYK-SYNERGIST 2105	BYK	Wetting&Dispersing	-
6	GARAMITE-1958	BYK	Anti-settling	-
7	Pigment & Color Index	see headline	Color	20,0
8	Borchinox M2	Borchers	Anti Skinning Agent	0,4
				100,0

Instructions

Premix position 1-6, add pigment and disperse well
 (beads are recommended), add position 8 under stirring

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	40,0
BYK-SYNERGIST 2100	2,5
BYK-SYNERGIST 2105	-

Pigment : binder ratio (solid : solid binder)

0,4 : 1