

Starting Formulation

Pigment concentrates for solvent-borne systems

Pos.	Component	Supplier	Function	Kronos 2360	Bayferrox 3920	Novoperm Yellow 5 GD 71	Novoperm Yellow F2G	Novoperm Orange HL 70
				Kronos International PW 6	Lanxess PY 42	Clariant PY 155	Clariant PY 194	Clariant PO 36
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	20.0	23.0	33.5	33.5	25.0
2	1-Methoxy-2-propyl acetate		Solvent	13.0	17.4	18.5	18.5	26.7
3	DISPERBYK-2155	BYK	Wetting & Dispersing	1.6	4.1	8.0	8.0	9.5
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing					
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing					0.8
6	GARAMITE-7305	BYK	Anti-settling	0.4	0.5			
7	Pigment & Color Index (see headline)	see headline	Color	65.0	55.0	40.0	40.0	38.0

Instructions

Premix position 1-6, add pigment and disperse (grind) well

Characteristic Data

% Additive dosage (solids on pigment)

DISPERBYK-2155	2.5	7.5	20.0	20.0	25.0
BYK-SYNERGIST 2100					
BYK-SYNERGIST 2105					2.2

Pigment-binder ratio (solid : solid binder)

5.4 : 1	4.0 : 1	2.0 : 1	2.0 : 1	2.5 : 1
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Starting Formulation

Pigment concentrates for solvent-borne systems

Pos.	Component	Supplier	Function	Bayferrox 130M	Novoperm Red F3RK70	Hostaperm Red D2G 70	Hostaperm Pink E	Hostaperm Violet RL-NF
				Lanxess	Clarinat	Clariant	Clarinat	Clariant
		Pigment supplier		PR 101	PR 170	PR 254	PR 122	PV 23
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	25.0	33.5	38.0	20.0	36.0
2	1-Methoxy-2-propyl acetate		Solvent	7.0	12.5	15.4	55.7	47.5
3	DISPERBYK-2155	BYK	Wetting & Dispersing	7.2	14.0	9.8	6.3	4.6
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing					
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing			1.8		
6	GARAMITE-7305	BYK	Anti-settling	0.8				
7	Pigment & Color Index (see headline)	see headline	Color	60.0	40.0	35.0	18.0	12.0

Instructions

Premix position 1-6, add pigment and disperse (grind) well

Characteristic Data

% Additive dosage (solids on pigment)

DISPERBYK-2155	12.0	35.0	28.0	35.0	38.0
BYK-SYNERGIST 2100					
BYK-SYNERGIST 2105			5.0		

Pigment-binder ratio (solid : solid binder)

4.0 : 1	2.0 : 1	1.5 : 1	1.5 : 1	0.6 : 1
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Remark

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Pigment concentrates for solvent-borne systems

Pos.	Component	Pigment supplier		Heliogen Blue L7101F	Heliogen Green L8730	Monastral Green 6Y-C	Special Black 4	Color Black FW 200
		Supplier	Function	BASF	BASF	Heubach	Orion Engineered Carbons	Orion Engineered Carbons
				PB 15:4	PG 7	PG 36	PBk 7	PBk 7
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	33.5	42.0	42.6	52.1	33.3
2	1-Methoxy-2-propyl acetate		Solvent	38.5	27.4	26.8	17.1	38.9
3	DISPERBYK-2155	BYK	Wetting & Dispersing	7.0	6.9	6.9	8.8	12.0
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	1.0	0.7	0.7		0.8
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing					
6	GARAMITE-7305	BYK	Anti-settling					
7	Pigment & Color Index (see headline)	see headline	Color	20.0	23.0	23.0	22.0	15.0

Instructions

Premix position 1-6, add pigment and disperse (grind) well

Characteristic Data

% Additive dosage (solids on pigment)

DISPERBYK-2155	35.0	30.0	30.0	40.0	80.0
BYK-SYNERGIST 2100	5.0	3.0	3.0		5.0
BYK-SYNERGIST 2105					

Pigment-binder ratio (solid : solid binder) 1.0 : 1 0.9 : 1 0.9 : 1 0.7 : 1 0.8 : 1

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Starting Formulation

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Pos.	Component	Supplier	Pigment supplier Function	Printex L
				Orion Engineered Carbons PBk 7
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	55.1
2	1-Methoxy-2-propyl acetate		Solvent	14.1
3	DISPERBYK-2155	BYK	Wetting & Dispersing	8.8
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing	
6	GARAMITE-7305	BYK	Anti-settling	
7	Pigment & Color Index (see headline)	see headline	Color	22.0

Instructions

Premix position 1-6, add pigment and disperse (grind) well

Characteristic Data

% Additive dosage (solids on pigment)

DISPERBYK-2155 40.0
BYK-SYNERGIST 2100
BYK-SYNERGIST 2105

Pigment-binder ratio (solid : solid binder)

0.7 : 1

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