

Starting Formulation

Pigment concentrates for solvent-borne systems

Pos.	Component	Supplier	Function	Kronos 2310	Ti-Pure R 960	Bayferrox 3920	Bayferrox 120M	Novoperm Red F3RK70
				PW 6	PW 6	PY 42	PR 101	PR 170
			Pigment supplier	Kronos International	Du Pont	Lanxess	Lanxess	Clariant
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	20.0	20.0	23.0	25.0	33.5
2	1-Methoxy-2-propyl acetate		Solvent	11.5	11.5	13.6	3.0	3.4
3	DISPERBYK-110	BYK	Wetting & Dispersing	3.1	3.1			
4	DISPERBYK-2150	BYK	Wetting & Dispersing			7.9	11.5	23.1
5	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing					
6	BYK-SYNERGIST 2102	BYK	Wetting & Dispersing					
7	GARAMITE-7305	BYK	Anti-settling	0.4	0.4	0.5	0.5	
8	Pigment & Color Index (see headline)	see headline	Pigment	65.0	65.0	55.0	60.0	40.0

Instructions

Premix position 1-7, add pigment and disperse (grind) well

Characteristic Data

% Additive dosage (solids on pigment)

DISPERBYK-110	2.5	2.5			
DISPERBYK-2150			7.5	10.0	30.0
BYK-SYNERGIST 2100					
BYK-SYNERGIST 2102					

Pigment-binder ratio (solid : solid binder) 5.4 : 1 5.4 : 1 4.0 : 1 4.0 : 1 2.0 : 1

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Remark

- 1) Exchanging a solvent or a pigment in the formulation may change the viscosity!
- 2) The required grinding viscosity depends on the grinding equipment and must be adapted.

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Pigment concentrates for solvent-borne systems

Pos.	Component	Supplier	Function	Hostaperm Pink E	Hostaperm Violet RL-NF	Heliogen Blue L7085	Heliogen Blue L7101F	Heliogen Green L8735
				Clariant	Clariant	BASF	BASF	BASF
		Pigment supplier		PR 122	PV 23	PB 15:3	PB 15:4	PG 7
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	20.0	36.0	45.1	33.5	42.1
2	1-Methoxy-2-propyl acetate		Solvent	52.3	38.1	21.5	34.5	18.0
3	DISPERBYK-110	BYK	Wetting & Dispersing					
4	DISPERBYK-2150	BYK	Wetting & Dispersing	9.7	11.0	13.9	11.5	15.9
5	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing			0.5	0.5	
6	BYK-SYNERGIST 2102	BYK	Wetting & Dispersing					0.9
7	GARAMITE-7305	BYK	Anti-settling					
8	Pigment & Color Index (see headline)	see headline	Pigment	18.0	15.0	19.0	20.0	23.0

Instructions

Premix position 1-7, add pigment and disperse (grind) well

Characteristic Data

% Additive dosage (solids on pigment)

DISPERBYK-110

DISPERBYK-2150

BYK-SYNERGIST 2100

BYK-SYNERGIST 2102

28.0

38.0

38.0

30.0

36.0

2.5

2.5

4.0

Pigment-binder ratio (solid : solid binder)

1.5 : 1

0.7 : 1

0.7 : 1

1.0 : 1

0.9 : 1

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				PBk 7
			Pigment supplier	
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	52.1
2	1-Methoxy-2-propyl acetate		Solvent	6.8
3	DISPERBYK-110	BYK	Wetting & Dispersing	
4	DISPERBYK-2150	BYK	Wetting & Dispersing	17.7
5	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	0.5
6	BYK-SYNERGIST 2102	BYK	Wetting & Dispersing	
7	GARAMITE-7305	BYK	Anti-settling	
8	Pigment & Color Index (see headline)	see headline	Pigment	23.0

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Premix position 1-7, add pigment and disperse (grind) well

Characteristic Data

% Additive dosage (solids on pigment)

DISPERBYK-110	
DISPERBYK-2150	40.0
BYK-SYNERGIST 2100	2.0
BYK-SYNERGIST 2102	

Pigment-binder ratio (solid : solid binder) 0.7 : 1

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