

Starting point formulation – Pigment concentrates for solvent-borne systems with DISPERBYK-2150

				Pigment	Kronos 2310	Bayferrox 3920	Bayferrox 120 M	Novoperm Red F3RK 70	Hostaperm Pink E	Hostaperm Violet RL-NF
				Supplier	Kronos International	Lanxess	Lanxess	Sudarshan	Sudarshan	Sudarshan
Position	Component	Supplier	Function	PW 6	PY 42	PR 101	PR 170	PR 122	PV 23	
1	Laropal A 81 (60 % solids, in PMA)	BASF	Binder	20.00	23.00	25.00	33.50	20.00	36.00	
2	1-Methoxy-2-propyl acetate		Solvent	11.50	15.20	3.00	2.60	52.30	38.00	
3	DISPERBYK-2150	BYK	Wetting and dispersing	3.10	6.30	11.50	23.10	9.70	11.00	
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	-	-	-	
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	0.80	-	-	
6	GARAMITE-7305	BYK	Anti-settling	0.40	0.50	0.50	-	-	-	
7	Pigment (see headline)	See headline	Pigment	65.00	55.00	60.00	40.00	18.00	15.00	
Total				100.00	100.00	100.00	100.00	100.00	100.00	

Instructions

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

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2150	2.50 %	6.00 %	10.00 %	30.00 %	28.00 %	38.00 %
BYK-SYNERGIST 2100	-	-	-	-	-	-
BYK-SYNERGIST 2105	-	-	-	2.00 %	-	-

Pigment : binder ratio (solid : solid binder)	5.40 : 1	4.00 : 1	4.00 : 1	2.00 : 1	1.50 : 1	0.70 : 1
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Remark

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

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Position	Component	Supplier	Function	Pigment			
				PB 15:4	PB 15:3	PG 7	PBk 7
				Heliogen Blue L 7101 F	Heliogen Blue L 7085	Heliogen Green L 8730	Special Black 4
				Sun Chemical (DIC)	Sun Chemical (DIC)	Sun Chemical (DIC)	Orion Engineered Carbons
1	Laropal A 81 (60 % solids, in PMA)	BASF	Binder	33.50	45.20	42.00	52.10
2	1-Methoxy-2-propyl acetate		Solvent	34.50	21.40	19.00	3.70
3	DISPERBYK-2150	BYK	Wetting and dispersing	11.50	13.90	15.50	19.20
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	0.50	0.50	0.50	-
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-
6	GARAMITE-7305	BYK	Anti-settling	-	-	-	-
7	Pigment (see headline)	See headline	Pigment	20.00	19.00	23.00	25.00
Total				100.00	100.00	100.00	100.00

Instructions

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

Characteristic data

Additive dosage (solids on pigment)

	PB 15:4	PB 15:3	PG 7	PBk 7
DISPERBYK-2150	30.00 %	38.00 %	35.00 %	40.00 %
BYK-SYNERGIST 2100	2.50 %	2.50 %	2.20 %	-
BYK-SYNERGIST 2105	-	-	-	-

Pigment : binder ratio (solid : solid binder)	PB 15:4	PB 15:3	PG 7	PBk 7
	1.00 : 1	0.70 : 1	0.90 : 1	0.80 : 1

Remark

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



Your local
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