

Starting point formulation – Pigment concentrates for solvent-borne systems with DISPERBYK-2013

				Pigment		Supplier			
				Kronos 2310	Ti-Pure R 960	Bayferrox 3920	Bayferrox 120 M	Novoperm Red F3RK 70	Hostaperm Pink E
				Kronos International	Chemours	Lanxess	Lanxess	Sudarshan	Sudarshan
Position	Component	Supplier	Function	PW 6	PW 6	PY 42	PR 101	PR 170	PR 122
1	Laropal A 81 (60 % solids, in PMA)	BASF	Binder	20.00	20.00	23.00	25.00	33.50	20.00
2	1-Methoxy-2-propyl acetate	-	Solvent	13.30	13.30	17.60	14.00	13.70	57.00
3	DISPERBYK-2013	BYK	Wetting and dispersing	1.30	1.30	3.90	5.50	12.00	5.00
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	0.40	0.50	0.50	-	-
7	Pigment (see headline)	See headline	Pigment	65.00	65.00	55.00	55.00	40.00	18.00
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-2013	2.00 %	2.00 %	7.00 %	10.00 %	30.00 %	28.00 %
BYK-SYNERGIST 2100	-	-	-	-	2.00 %	-
BYK-SYNERGIST 2105	-	-	-	-	-	-

Pigment : binder ratio (solid : solid binder)	5.40 : 1	5.40 : 1	4.00 : 1	3.70 : 1	2.00 : 1	1.50 : 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	PV 23	PB 15:3	PB 15:4	PG 7	PBk 7
				Supplier	Hostaperm Violet RL-NF	Heliogen Blue L 7085	Heliogen Blue L 7101 F	Heliogen Green L 8730	Special Black 4
1	Laropal A 81 (60 % solids, in PMA)	BASF	Binder	Sudarshan	36.00	45.10	33.50	42.10	45.30
2	1-Methoxy-2-propyl acetate	-	Solvent	Sun Chemicals (DIC)	43.30	28.20	40.00	25.70	26.70
3	DISPERBYK-2013	BYK	Wetting and dispersing	Sun Chemicals (DIC)	5.70	7.20	6.00	8.30	8.00
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	Sun Chemicals (DIC)	-	0.50	0.50	0.90	-
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	Sun Chemicals (DIC)	-	-	-	-	-
6	GARAMITE-7305	BYK	Anti-settling	Sun Chemicals (DIC)	-	-	-	-	-
7	Pigment (see headline)	See headline	Pigment	Orion Engineered Carbons	15.00	19.00	20.00	23.00	20.00
Total					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-2013	38.00 %	38.00 %	30.00 %	36.00 %	40.00 %
BYK-SYNERGIST 2100	-	2.50 %	2.50 %	4.00 %	-
BYK-SYNERGIST 2105	-	-	-	-	-

Pigment : binder ratio (solid : solid binder)	0.70 : 1	0.70 : 1	1.00 : 1	0.90 : 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.



Your local
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