

Starting point formulation – Pigment concentrates for solvent-based systems with DISPERBYK-2155

				Pigment	TiONA 595 Cristal	Kronos 2064 Kronos International	Kronos 2160 Kronos International	Bayferrox 915 Lanxess	Novoperm Yellow HR 70 Heubach	Hostaperm Yellow H4G Heubach	Sicopal Yellow L1100 BASF	Novoperm Orange HL 70 Heubach
				Supplier								
Position	Component	Supplier	Function	PW 6	PW 6	PW 6	PY 42	PY 83	PY 151	PY 184	PO 36	
1	Polyester resin (70 % solids, BuAc)		Resin	25.50	25.50	22.10	28.00	43.00	37.00	25.10	35.00	
2	Butyl acetate (BuAc)		Solvent	13.00	13.00	11.30	16.60	27.00	26.70	19.50	29.00	
3	DISPERBYK-2155	BYK	Wetting and dispersing	1.20	1.20	1.30	5.00	5.00	6.00	5.00	6.00	
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	-	-	-	-	-	
5	GARAMITE-7305	BYK	Anti-settling	0.30	0.30	0.30	0.40	-	0.30	0.40	-	
6	Pigment	See headline	Color	60.00	60.00	65.00	50.00	25.00	30.00	50.00	30.00	
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Instructions

Premix position 1–5, add pigment and disperse (grind) well (beads are recommended).

Characteristic data

Additive dosage (solids on pigment)

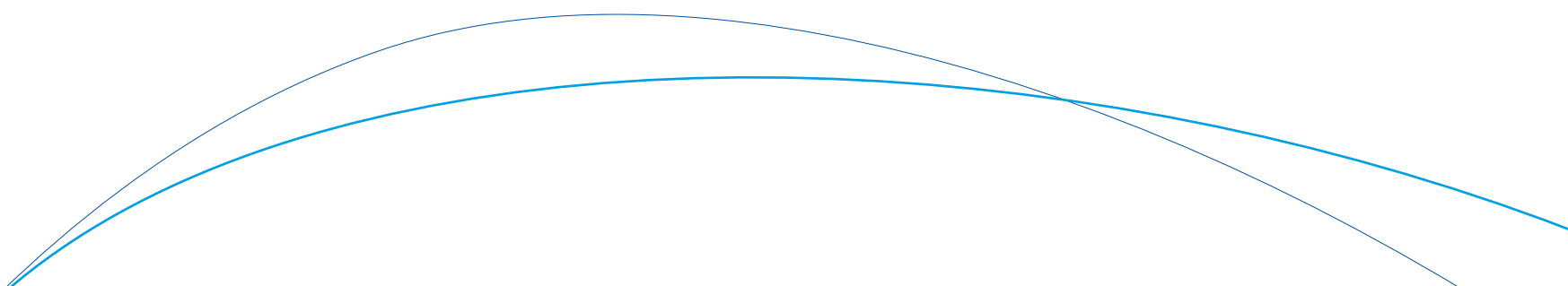
DISPERBYK-2155 2.00 % 2.00 % 2.00 % 10.00 % 20.00 % 20.00 % 10.00 % 20.00 %

BYK-SYNERGIST 2100 - - - - - - - - -

Pigment : binder ratio (solid : solid binder) 3.10 : 1 3.10 : 1 3.90 : 1 2.40 : 1 0.80 : 1 1.10 : 1 2.70 : 1 1.10 : 1

Remark

Changing the pigment or solvent 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							
				PO 73	PR 101	PR 254	PR 255	PR 282	PR 122	PV 23	PB 15:2
1	Polyester resin (70 % solids, BuAc)		Resin	41.50	24.00	34.50	40.00	42.00	40.00	48.00	43.00
2	Butyl acetate (BuAc)		Solvent	26.00	13.80	28.00	27.50	33.00	36.60	35.00	31.00
3	DISPERBYK-2155	BYK	Wetting and dispersing	7.50	6.60	7.50	7.50	5.00	5.40	4.80	6.00
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	-	-	-	0.20	-
5	GARAMITE-7305	BYK	Anti-settling	-	0.60	-	-	-	-	-	-
6	Pigment	See headline	Color	25.00	55.00	30.00	25.00	20.00	18.00	12.00	20.00
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Instructions

Premix position 1–5, add pigment and disperse (grind) well (beads are recommended).

Characteristic data

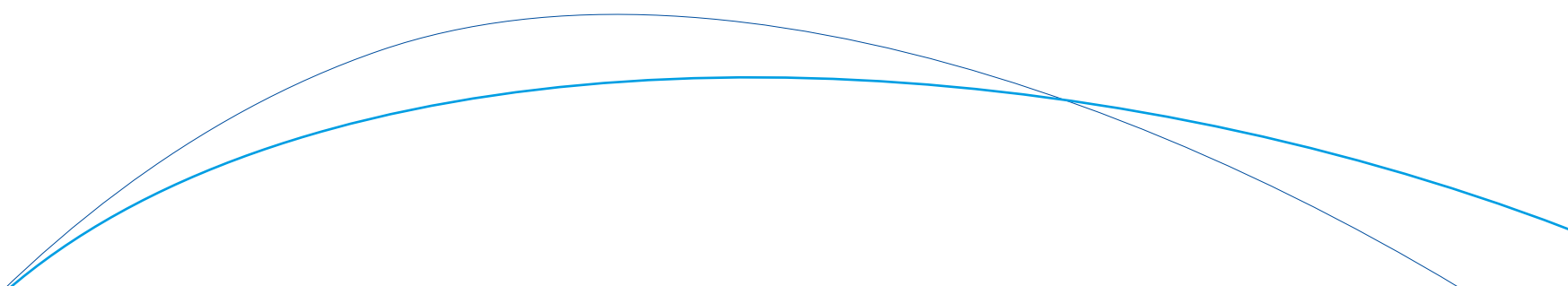
Additive dosage (solids on pigment)

DISPERBYK-2155	30.00 %	12.00 %	25.00 %	30.00 %	25.00 %	30.00 %	40.00 %	30.00 %
BYK-SYNERGIST 2100	-	-	-	-	-	-	1.70 %	-

Pigment : binder ratio (solid : solid binder)	0.80 : 1	3.10 : 1	1.20 : 1	0.8 : 1	0.60 : 1	0.60 : 1	0.30 : 1	0.60 : 1
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Remark

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Position	Component	Supplier	Function	Pigment		
				Heliogen Green L 8730 BASF	Special black 4 Powder Orion Engineered Carbons	Raven 420 Birla Carbon
				PG 7	PBk 7	PBk 7
1	Polyester resin (70 % solids, BuAc)		Resin	38.00	39.50	42.80
2	Butyl acetate (BuAc)		Solvent	30.40	28.00	27.50
3	DISPERBYK-2155	BYK	Wetting and dispersing	8.10	10.50	7.70
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	0.50	-	-
5	GARAMITE-7305	BYK	Anti-settling	-	-	-
6	Pigment	See headline	Color	23.00	22.00	22.00
Total				100.00	100.00	100.00

Instructions

Premix position 1–5, add pigment and disperse (grind) well (beads are recommended).

Characteristic data

Additive dosage (solids on pigment)

	PG 7	PBk 7	PBk 7
DISPERBYK-2155	35.00 %	40.00 %	35.00 %
BYK-SYNERGIST 2100	2.00 %	-	-

Pigment : binder ratio (solid : solid binder)

	PG 7	PBk 7	PBk 7
	0.90 : 1	0.70 : 1	0.70 : 1

Remark

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This issue replaces all previous versions.

