

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

				Pigment	Kronos 2160	Bayferrox 3920	Hostaperm Yellow H4G	Bayferrox 130 M	Novoperm Red F3RK70	Heliogen Blue L 6875 F	Heliogen Green L 8730	Special black 4 Powder
				Supplier	Kronos International	Lanxess	Sudarshan	Lanxess	Sudarshan	Sun Chemical	Sun Chemical	Orion Engineered Carbons
Position	Component	Supplier	Function	PW 6	PY 42	PY 151	PR 101	PR 170	PB 15:2	PG 7	PBk 7	
1	Acrylic resin (75% solids)		Resin	20.00	18.00	16.00	18.00	31.00	24.00	28.00	36.00	
2	Methoxypropyl acetate		Solvent	9.10	21.30	37.20	12.30	20.00	48.80	32.10	23.30	
3	DISPERBYK-2150	BYK	Wetting and dispersing	2.60	6.20	11.80	9.20	13.50	8.70	14.40	16.20	
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	-	-	0.50	0.50	0.50	
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-	0.50	-	-	-	
6	GARAMITE-7305	BYK	Anti-settling	0.30	0.50	-	0.50	-	-	-	-	
7	Pigment	See headline	Color	68.00	54.00	35.00	60.00	35.00	18.00	25.00	24.00	
<b>Total</b>				<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	

### Instructions

Premix position 1–6, add pigment and disperse (grind) well (beads are recommended).

### Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2150	2.00 %	6.00 %	17.50 %	8.00 %	20.00 %	25.00 %	30.00 %	35.00 %
BYK-SYNERGIST 2100	-	-	-	-	-	2.50 %	2.00 %	2.00 %
BYK-SYNERGIST 2105	-	-	-	-	1.50 %	-	-	-

Pigment : binder ratio (solid : solid binder)	4.50 : 1	4.00 : 1	2.90 : 1	4.4 : 1	1.50 : 1	1.00 : 1	1.20 : 1	0.90 : 1
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### 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 updated.



Your local  
contact

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