

Starting Formulation

Pigment concentrates for solvent-borne systems based on DISPERBYK-2150

Pos.	Component	Supplier	Pigment supplier Function	Kronos 2160	Bayferrox 3920	Hostaperm Yellow H4G	Bayferrox 130 M	Novoperm Red F3RK70
				PW 6	PY 42	PY 151	PR 101	PR 170
1	Acrylic resin (75% solids)		Resin	20.0	18.0	16.0	18.0	31.0
2	Methoxypropyl acetate		Solvent	9.1	21.3	37.2	12.3	20.0
3	DISPERBYK-2150	BYK	Wetting & Dispersing	2.6	6.2	11.8	9.2	13.5
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing					
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing					0.5
6	GARAMITE-7305	BYK	Anti-settling	0.3	0.5		0.5	
7	Pigment	headline	Color	68.0	54.0	35.0	60.0	35.0

Instructions

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

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2150	2.0	6.0	17.5	8.0	20.0
BYK-SYNERGIST 2100					
BYK-SYNERGIST 2105					1.5

Pigment/binder ratio (solid : solid binder)

4.5 : 1	4.0 : 1	2.9 : 1	4.4 : 1	1.5 : 1
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Remark

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

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Pigment concentrates for solvent-borne systems based on DISPERBYK-2150

Pos.	Component	Supplier	Pigment supplier Function	Heliogen Blue L 6875 F	Heliogen Green L 8730	Special black 4 Powder
				BASF	BASF	Orion Engineered Carbons
				PB 15:2	PG 7	PBk 7
1	Acrylic resin (75% solids)		Resin	24.0	28.0	36.0
2	Methoxypropyl acetate		Solvent	48.8	32.1	23.3
3	DISPERBYK-2150	BYK	Wetting & Dispersing	8.7	14.4	16.2
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	0.5	0.5	0.5
5	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing			
6	GARAMITE-7305	BYK	Anti-settling			
7	Pigment	headline	Color	18.0	25.0	24.0

Instructions

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

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2150	25.0	30.0	35.0
BYK-SYNERGIST 2100	2.5	2.0	2.0
BYK-SYNERGIST 2105			

Pigment/binder ratio (solid : solid binder)

1.0 : 1	1.2 : 1	0.9 : 1
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