

Starting Formulation

Pigment concentrates for solvent-borne systems based on DISPERBYK-2155

Pos.	Component	Supplier	Pigment supplier Function	TiONA 595	Kronos 2064	Kronos 2160	Bayferrox 915	Novoperm Yellow HR 70
				Cristal PW 6	Kronos International PW 6	Kronos International PW 6	Lanxess PY 42	Clariant PY 83
1	Polyester resin (70% solids, BuAc)		Resin	25.4	25.4	22.0	28.0	43.0
2	Butyl acetate (BuAc)		Solvent	13.0	13.0	11.3	16.6	27.0
3	DISPERBYK-2155	BYK	Wetting & Dispersing	1.2	1.2	1.3	5.0	5.0
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing					
5	Aerosil R 927	Evonik	Anti-settling	0.4	0.4	0.4	0.4	
6	Pigment	headline	Color	60.0	60.0	65.0	50.0	25.0

Instructions

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

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	2.0	2.0	2.0	10.0	20.0
BYK-SYNERGIST 2100					

Pigment/binder ratio (solid : solid binder) 3.4 : 1 3.4 : 1 4.2 : 1 2.5 : 1 0.8 : 1

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Starting Formulation

Pigment concentrates for solvent-borne systems based on DISPERBYK-2155

Pos.	Component	Supplier	Function	Hostaperm Yellow H4G	Sicopal Yellow L 1100	Novoperm Orange HL 70	Irgazin Orange L 3250 HD	Bayferrox 130 M
				Clariant	BASF	Clariant	BASF	Lanxess
Pigment supplier				PY 151	PY 184	PO 36	PO 73	PR 101
1	Polyester resin (70% solids, BuAc)		Resin	37.0	25.1	35.0	41.5	24.0
2	Butyl acetate (BuAc)		Solvent	26.7	19.5	29.0	26.0	13.8
3	DISPERBYK-2155	BYK	Wetting & Dispersing	6.0	5.0	6.0	7.5	6.6
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing					
5	Aerosil R 927	Evonik	Anti-settling	0.3	0.4			0.6
6	Pigment	headline	Color	30.0	50.0	30.0	25.0	55.0

Instructions

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

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	20.0	10.0	20.0	30.0	12.0
BYK-SYNERGIST 2100					

Pigment/binder ratio (solid : solid binder) 1.2 : 1 2.8 : 1 1.2 : 1 0.9 : 1 3.3 : 1

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Remark

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Pigment concentrates for solvent-borne systems based on DISPERBYK-2155

Pos.	Component	Supplier	Function	Irgazin Red	Irgazin Scarlet	Cinquasia	Hostaperm	Hostaperm
				L 3670 HD	L 3550 HD	Magenta	Pink E	Violett
				L 4400	RL-NF			
			Pigment supplier	BASF	BASF		Clarinat	Clarinat
				PR 254	PR 255	PR 282	PR 122	PV 23
1	Polyester resin (70% solids, BuAc)		Resin	34.5	40.0	42.0	40.0	48.0
2	Butyl acetate (BuAc)		Solvent	28.0	27.5	33.0	36.6	35.0
3	DISPERBYK-2155	BYK	Wetting & Dispersing	7.5	7.5	5.0	5.4	4.8
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing					0.2
5	Aerosil R 927	Evonik	Anti-settling					
6	Pigment	headline	Color	30.0	25.0	20.0	18.0	12.0

Instructions

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

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	25.0	30.0	25.0	30.0	40.0
BYK-SYNERGIST 2100					1.7

Pigment/binder ratio (solid : solid binder) 1.2 : 1 0.9 : 1 0.7 : 1 0.6 : 1 0.4 : 1

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Pos.	Component	Supplier	Function	Heliogen Blue L 6875 F	Heliogen Green L 8730	Special black 4 Powder	Raven 420
				BASF	BASF	Orion Engineered Carbons	Birla Carbon
				PB 15:2	PG 7	PBk 7	PBk 7
1	Polyester resin (70% solids, BuAc)		Resin	43.0	38.0	39.5	42.8
2	Butyl acetate (BuAc)		Solvent	31.0	30.4	28.0	27.5
3	DISPERBYK-2155	BYK	Wetting & Dispersing	6.0	8.1	10.5	7.7
4	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing		0.5		
5	Aerosil R 927	Evonik	Anti-settling				
6	Pigment	headline	Color	20.0	23.0	22.0	22.0

Instructions

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

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2155	30.0	35.0	40.0	35.0
BYK-SYNERGIST 2100		2.0		

Pigment/binder ratio (solid : solid binder) 0.5 : 1 0.9 : 1 0.8 : 1 0.8 : 1

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