

Starting point formulation – Pigment concentrates for water-based systems with DISPERBYK-190

				Pigment	Kronos 2160	Bayferrox 3920	Hansa Brilliant Yellow 2GX 70	Novoperm Yellow HR 70	Hostaperm Yellow H3G	Novoperm Orange HL 70	Bayferrox 130 F	Novoperm Red F3RK 70
				Supplier	Kronos International	Lanxess	Sudarshan	Sudarshan	Sudarshan	Sudarshan	Lanxess	Sudarshan
Position	Component	Supplier	Function	PW 6	PY 42	PY 74	PY83	PY154	PO 36	PR 101	PR 170	
1	Water		Solvent	19.60	22.80	28.90	28.90	37.60	46.40	23.40	33.90	
2	Preservative		Preservative	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
3	BYK-021	BYK	Defoamer	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
4	DISPERBYK-190	BYK	Wetting and dispersing	8.80	20.60	30.00	30.00	26.30	22.50	15.00	25.00	
5	OPTIGEL-WX	BYK	Anti-settling	0.50	0.50	-	-	-	-	0.50	-	
6	Pigment	See headline	Color	70.00	55.00	40.00	40.00	35.00	30.00	60.00	40.00	
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 well (dissolver or beads are recommended).

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-190	5.00 %	15.00 %	30.00 %	30.00 %	30.10 %	30.00 %	10.00 %	25.00 %
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Also available as a biocide-free variant (see brochure B-AN 2).



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				Pigment	Irgazin Red L 3660 HD	Hostaperm Pink E	Hostaperm Red Violet ER 02	Hostaperm Violet RL spec.	Heliogen Blue L 6975 F	Heliogen Green L 8730	Colour Black FW 200	Colour Black FW 285
				Supplier	Sun Chemical	Sudarshan	Sudarshan	Sudarshan	Sun Chemical	Sun Chemical	Orion Engineered Carbons	Orion Engineered Carbons
Position	Component	Supplier	Function	PR 254	PR 122	PV19	PV 23	PB 15:2	PG 7	PBk 7	PBk 7	
1	Water		Solvent	38.90	46.40	46.40	46.40	28.90	33.90	57.60	57.60	
2	Preservative		Preservative	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
3	BYK-021	BYK	Defoamer	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
4	DISPERBYK-190	BYK	Wetting and dispersing	30.00	22.50	22.50	22.50	35.00	25.00	26.30	26.30	
5	OPTIGEL-WX	BYK	Anti-settling	-	-	-	-	-	-	-	-	
6	Pigment	See headline	Color	30.00	30.00	30.00	30.00	35.00	40.00	15.00	15.00	
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 well (dissolver or beads are recommended).

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-190	40.00 %	30.00 %	30.00 %	30.00 %	40.00 %	25.00 %	70.10 %	70.10 %
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Position	Component	Supplier	Function	Pigment		
				Monarch 1100	Elftex 415	Raven 5000
				Supplier		
				Cabot Corporation	Cabot Corporation	Birla Carbon Columbian
				PBk 7	PBk 7	PBk 7
1	Water		Solvent	38.40	43.90	49.40
2	Preservative		Preservative	0.10	0.10	0.10
3	BYK-021	BYK	Defoamer	1.00	1.00	1.00
4	DISPERBYK-190	BYK	Wetting and dispersing	38.50	35.00	31.50
5	OPTIGEL-WX	BYK	Anti-settling	-	-	-
6	Pigment	See headline	Color	22.00	20.00	18.00
Total				100.00	100.00	100.00

Instructions

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

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-190	70.00 %	70.00 %	70.00 %
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