

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

Position	Component	Supplier	Function	Pigment	Pigment	Pigment	Pigment	Pigment	Pigment
				Supplier	Kronos 2360 Kronos International	Bayferrox 3920 Lanxess	Novoperm Yellow 5GD 71 Heubach	Novoperm Yellow F2G Heubach	Novoperm Orange HL 70 Heubach
				PW 6	PY 42	PY 155	PY 194	PO 36	PR 101
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	20.00	23.00	33.50	33.50	25.00	25.00
2	1-Methoxy-2-propyl acetate		Solvent	13.00	17.40	18.50	18.50	26.70	7.00
3	DISPERBYK-2155	BYK	Wetting and dispersing	1.60	4.10	8.00	8.00	9.50	7.20
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	-	-	-
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-	0.80	-
6	GARAMITE-7305	BYK	Anti-settling	0.40	0.50	-	-	-	0.80
7	Pigment (see headline)	See headline	Color	65.00	55.00	40.00	40.00	38.00	60.00
<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>

### Instructions

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

### Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2155	2.50 %	7.50 %	20.00 %	20.00 %	25.00 %	12.00 %
BYK-SYNERGIST 2100	-	-	-	-	-	-
BYK-SYNERGIST 2105	-	-	-	-	2.20 %	-

Pigment : binder ratio (solid : solid binder)	5.40 : 1	4.00 : 1	2.00 : 1	2.00 : 1	2.50 : 1	4.00 : 1
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### Remark

Exchanging a solvent or a pigment in the formulation may change the viscosity!  
The required grinding viscosity depends on the grinding equipment and must be adapted.

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

Position	Component	Supplier	Function	Pigment	Novoperm Red F3RK 70 Heubach	Hostaperm Red D2G 70 Heubach	Hostaperm Pink E Heubach	Hostaperm Violet RL-NF PV 23	Heliogen Blue L 7101 F Sun Chemical (DIC)	Heliogen Green L 8730 Sun Chemical (DIC)
				Supplier	PR 170	PR 254	PR 122	PV 23	PB 15:4	PG 7
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder		33.50	38.00	20.00	36.00	33.50	42.00
2	1-Methoxy-2-propyl acetate		Solvent		12.50	15.40	55.70	47.40	38.50	27.40
3	DISPERBYK-2155	BYK	Wetting and dispersing		14.00	9.80	6.30	4.60	7.00	6.90
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing		-	-	-	-	1.00	0.70
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing		-	1.80	-	-	-	-
6	GARAMITE-7305	BYK	Anti-settling		-	-	-	-	-	-
7	Pigment (see headline)	See headline	Color		40.00	35.00	18.00	12.00	20.00	23.00
<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>

### Instructions

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

### Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2155	35.00 %	28.00 %	35.00 %	38.00 %	35.00 %	30.00 %
BYK-SYNERGIST 2100	-	-	-	-	5.00 %	3.00 %
BYK-SYNERGIST 2105	-	5.00 %	-	-	-	-

Pigment : binder ratio (solid : solid binder)	2.00 : 1	1.50 : 1	1.50 : 1	0.60 : 1	1.00 : 1	0.90 : 1
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### Remark

Exchanging a solvent or a pigment in the formulation may change the viscosity!  
The required grinding viscosity depends on the grinding equipment and must be adapted.

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

Position	Component	Supplier	Function	Pigment	Special Black 4	Color Black FW 200	Printex L
				Supplier	Orion Engineered Carbons	Orion Engineered Carbons	Orion Engineered Carbons
				PG 36	PBk 7	PBk 7	PBk 7
1	Laropal A 81 (60 % solids, in PMA)	BASF	Binder	42.60	52.10	33.30	55.10
2	1-Methoxy-2-propyl acetate		Solvent	26.80	17.10	38.90	14.10
3	DISPERBYK-2155	BYK	Wetting and dispersing	6.90	8.80	12.00	8.80
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	0.70	-	0.80	-
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-
6	GARAMITE-7305	BYK	Anti-settling	-	-	-	-
7	Pigment (see headline)	See headline	Color	23.00	22.00	15.00	22.00
<b>Total</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.

### Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2155	30.00 %	40.00 %	80.00 %	40.00 %
BYK-SYNERGIST 2100	3.00 %	-	5.00 %	-
BYK-SYNERGIST 2105	-	-	-	-

Pigment : binder ratio (solid : solid binder)      0.90 : 1      0.70 : 1      0.80 : 1      0.70 : 1

### Remark

Exchanging a solvent or a pigment in the formulation may change the viscosity!  
The required grinding viscosity depends on the grinding equipment and must be adapted.

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This issue replaces all previous versions.

