

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

				Pigment	Kronos 2360	Bayferrox 3920	Novoperm Yellow 5GD 71	Novoperm Yellow F2G	Novoperm Orange HL 70	Bayferrox 130 M
				Supplier	Kronos International	Lanxess	Sudarshan	Sudarshan	Sudarshan	Lanxess
Position	Component	Supplier	Function	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	
Total				100.00	100.00	100.00	100.00	100.00	100.00	

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

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

				Pigment		Supplier			
				Novoperm Red F3RK 70	Hostaperm Pink E	Hostaperm Violet RL-NF	Heliogen Blue L 7101 F	Heliogen Green L 8730	Monastral Green 6Y-C
				Sudarshan	Sudarshan	Sudarshan	Sun Chemical (DIC)	Sun Chemical (DIC)	Sudarshan
Position	Component	Supplier	Function	PR 170	PR 122	PV 23	PB 15:4	PG 7	PG 36
1	Laropal A 81 (60 % solids, in PMA)	BASF	Binder	33.50	20.00	36.00	33.50	42.00	42.60
2	1-Methoxy-2-propyl acetate		Solvent	12.50	55.70	47.40	38.50	27.40	26.80
3	DISPERBYK-2155	BYK	Wetting and dispersing	14.00	6.30	4.60	7.00	6.90	6.90
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	1.00	0.70	0.70
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-	-	-
6	GARAMITE-7305	BYK	Anti-settling	-	-	-	-	-	-
7	Pigment (see headline)	See headline	Color	40.00	18.00	12.00	20.00	23.00	23.00
Total				100.00	100.00	100.00	100.00	100.00	100.00

Instructions

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

Characteristic data

Additive dosage (solids on pigment)

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

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

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

Position	Component	Supplier	Function	Pigment	Color Black	Printex L
				Special Black 4	Black FW 200	
				Supplier	Supplier	Supplier
				Orion Engineered Carbons	Orion Engineered Carbons	Orion Engineered Carbons
				PBk 7	PBk 7	PBk 7
1	Laropal A 81 (60 % solids, in PMA)	BASF	Binder	52.10	33.30	55.10
2	1-Methoxy-2-propyl acetate		Solvent	17.10	38.90	14.10
3	DISPERBYK-2155	BYK	Wetting and dispersing	8.80	12.00	8.80
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	0.80	-
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-
6	GARAMITE-7305	BYK	Anti-settling	-	-	-
7	Pigment (see headline)	See headline	Color	22.00	15.00	22.00
Total				100.00	100.00	100.00

Instructions

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

Characteristic data

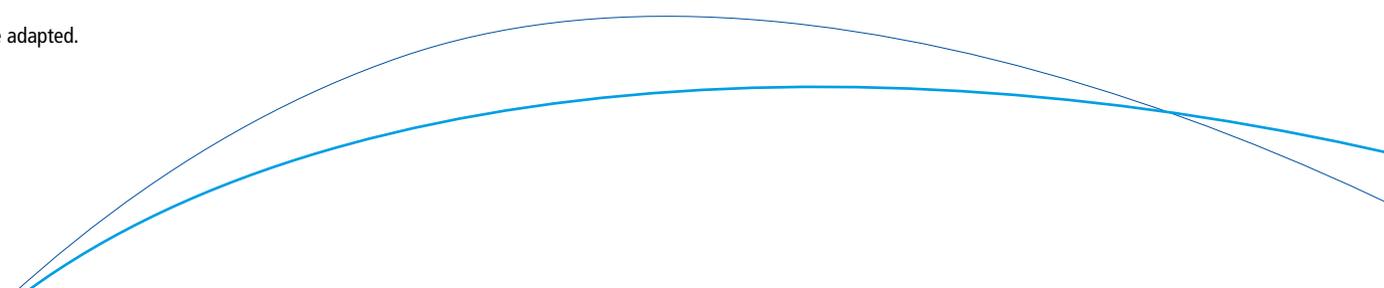
Additive dosage (solids on pigment)

	Special Black 4	Color Black FW 200	Printex L
DISPERBYK-2155	40.00 %	80.00 %	40.00 %
BYK-SYNERGIST 2100	-	5.00 %	-
BYK-SYNERGIST 2105	-	-	-

Pigment : binder ratio (solid : solid binder) 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.





Your local
contact

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0

info@byk.com
www.byk.com

ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKIET®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, NANOBYPK®, OPTIBENT®, OPTIGEL®, PURABYPK®, RECYCLOBYPK®, RHEOBYPK®, SCONA®, SILBYPK®, TIXOGEL® and VISCOBYPK® are registered trademarks of the BYK group.

The information contained herein is based on our current knowledge and experience. No warranties, guarantees and/or assurances of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. Any information about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. Contractual terms and conditions, in particular agreed product specifications, always take precedence. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. We reserve the right to make any changes and to update the information herein without notice.

Download
our app:
byk.com/app

