

Starting point formulation – Pigment concentrates for solvent-borne systems with DISPERBYK-2013

Position	Component	Supplier	Function	Pigment		Bayferrox 3920	Bayferrox 120 M	Novoperm Red F3RK 70	Hostaperm Pink E
				Kronos 2310 Kronos International	Ti-Pure R 960 Chemours	Lanxess	Lanxess	Heubach	Heubach
				PW 6	PW 6	PY 42	PR 101	PR 170	PR 122
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	20.00	20.00	23.00	25.00	33.50	20.00
2	1-Methoxy-2-propyl acetate	-	Solvent	13.30	13.30	17.60	14.00	13.70	57.00
3	DISPERBYK-2013	BYK	Wetting and dispersing	1.30	1.30	3.90	5.50	12.00	5.00
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	0.40	0.50	0.50	-	-
7	Pigment (see headline)	See headline	Pigment	65.00	65.00	55.00	55.00	40.00	18.00
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

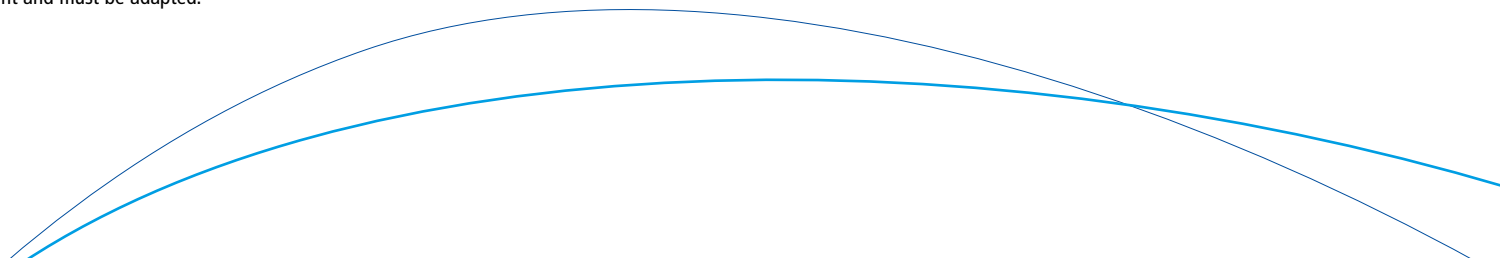
Additive dosage (solids on pigment)

DISPERBYK-2013	2.00 %	2.00 %	7.00 %	10.00 %	30.00 %	28.00 %
BYK-SYNERGIST 2100	-	-	-	-	2.00 %	-
BYK-SYNERGIST 2105	-	-	-	-	-	-

Pigment : binder ratio (solid : solid binder)	5.40 : 1	5.40 : 1	4.00 : 1	3.70 : 1	2.00 : 1	1.50 : 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-2013

Position	Component	Supplier	Function	Pigment	Heliogen	Heliogen	Heliogen	Special
				Supplier	Hostaperm Violet RL-NF Heubach	Blue L 7085 Sun Chemicals (DIC)	Blue L 7101 F Sun Chemicals (DIC)	Green L 8735 Sun Chemicals (DIC)
				PV 23	PB 15:3	PB 15:4	PG 7	PBk 7
1	Laropal A 81 (60% solids, in PMA)	BASF	Binder	36.00	45.10	33.50	42.10	45.30
2	1-Methoxy-2-propyl acetate	-	Solvent	43.30	28.20	40.00	25.70	26.70
3	DISPERBYK-2013	BYK	Wetting and dispersing	5.70	7.20	6.00	8.30	8.00
4	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	0.50	0.50	0.90	-
5	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	-	-
6	GARAMITE-7305	BYK	Anti-settling	-	-	-	-	-
7	Pigment (see headline)	See headline	Pigment	15.00	19.00	20.00	23.00	20.00
Total				100.00	100.00	100.00	100.00	100.00

Instructions

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

Characteristic data

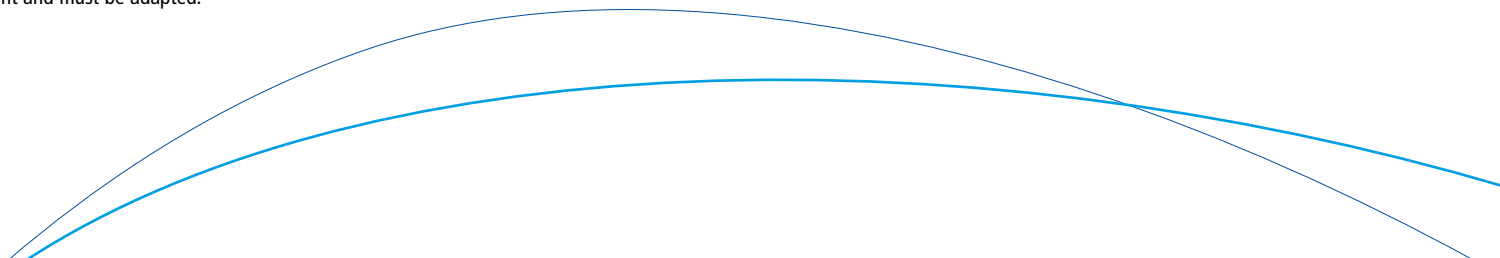
Additive dosage (solids on pigment)

DISPERBYK-2013	38.00 %	38.00 %	30.00 %	36.00 %	40.00 %
BYK-SYNERGIST 2100	-	2.50 %	2.50 %	4.00 %	-
BYK-SYNERGIST 2105	-	-	-	-	-

Pigment : binder ratio (solid : solid binder)	0.70 : 1	0.70 : 1	1.00 : 1	0.90 : 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.



BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

ADD-MAX®, ADD-VANCE®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKOZBLOCK®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERPOL®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURABYK®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties 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. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions.

