

Starting point formulation – Resin-free pigment concentrates for water-based systems with DISPERBYK-2010

				Pigment	Kronos 2160	Bayferrox 3920	Hostaperm Yellow H7G	Novoperm Yellow 5GD 71	Novoperm Yellow HR 70	Novoperm Orange HL 70
				Supplier	Kronos International	Lanxess	Sudarshan	Sudarshan	Sudarshan	Sudarshan
Position	Component	Supplier	Function	PW 6	PY 42	PY 219	PY155	PY 83	PO 36	
1	Demineralized water		Carrier/solvent	17.00	31.30	37.00	37.00	37.00	37.00	
2	DISPERBYK-2010	BYK	Wetting and dispersing	5.60	11.00	16.90	16.90	16.90	16.90	
3	DISPERBYK-180	BYK	Wetting and dispersing	0.80	1.10	-	-	-	-	
4	BYK-012	BYK	Defoamer	1.00	1.00	1.00	1.00	1.00	1.00	
5	Preservative			0.10	0.10	0.10	0.10	0.10	0.10	
6	RHEOBYK-D 420	BYK	Anti-settling	0.50	0.50	-	-	-	-	
7	Pigment (see headline)	See headline	Pigment	75.00	55.00	45.00	45.00	45.00	45.00	
Total				100.00	100.00	100.00	100.00	100.00	100.00	

Instructions

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

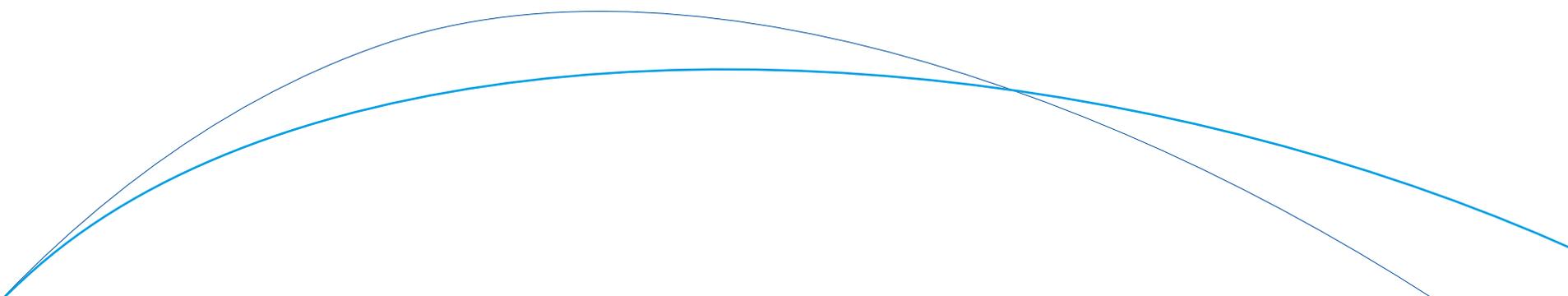
Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2010	3.00 %	8.00 %	15.00 %	15.00 %	15.00 %	15.00 %
DISPERBYK-180	1.00 %	2.00 %	-	-	-	-

Remark

The exchange of a pigment as well as a partial exchange of the water by solvents in the formulation may change the viscosity!
The required grinding viscosity depends on the grinding equipment and must be adapted.



Starting point formulation – Resin-free pigment concentrates for water-based systems with DISPERBYK-2010

				Pigment		Supplier			
				Novoperm Red F3RK 70	Hostaperm Red E3B	Hostaperm Pink E	Hostaperm Violet RL special	Hostaperm Blue A4R	Hostaperm Green GNX
				Sudarshan	Sudarshan	Sudarshan	Sudarshan	Sudarshan	Sudarshan
Position	Component	Supplier	Function	PR 254	PV 19	PR 122	PV 23	PB 15:1	PG 7
1	Demineralized water		Carrier/solvent	32.90	42.00	46.40	23.90	33.90	20.10
2	DISPERBYK-2010	BYK	Wetting and dispersing	18.00	21.90	17.50	35.00	25.00	33.80
3	DISPERBYK-180	BYK	Wetting and dispersing	-	-	-	-	-	-
4	BYK-012	BYK	Defoamer	1.00	1.00	1.00	1.00	1.00	1.00
5	Preservative			0.10	0.10	0.10	0.10	0.10	0.10
6	RHEOBYK-D 420	BYK	Anti-settling	-	-	-	-	-	-
7	Pigment (see headline)	See headline	Pigment	48.00	35.00	35.00	40.00	40.00	45.00
Total				100.00	100.00	100.00	100.00	100.00	100.00

Instructions

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

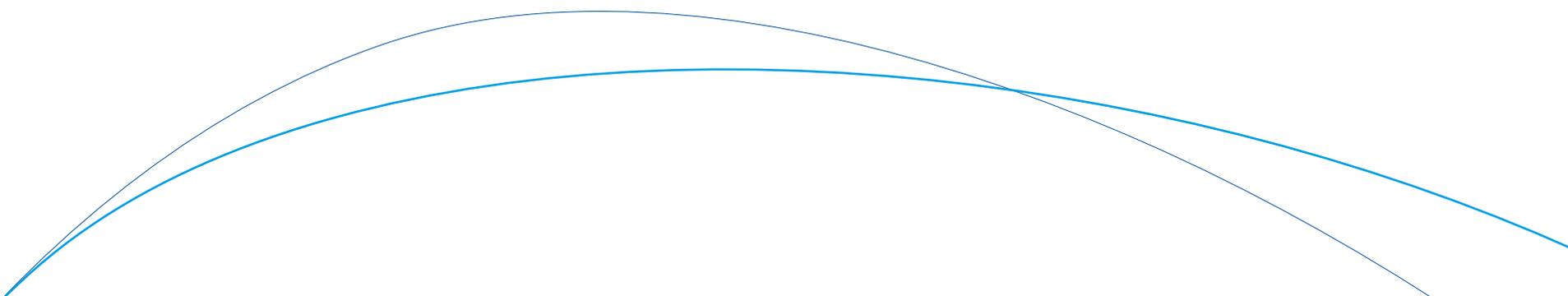
Characteristic data

Additive dosage (solids on pigment)

	PR 254	PV 19	PR 122	PV 23	PB 15:1	PG 7
DISPERBYK-2010	15.00 %	25.00 %	20.00 %	35.00 %	25.00 %	30.00 %
DISPERBYK-180	-	-	-	-	-	-

Remark

The exchange of a pigment as well as a partial exchange of the water by solvents in the formulation may change the viscosity!
The required grinding viscosity depends on the grinding equipment and must be adapted.



Starting point formulation – Resin-free pigment concentrates for water-based systems with DISPERBYK-2010

Pigment	Special Black 4
Supplier	Orion Engineered Carbons

Position	Component	Supplier	Function	PBk 7
1	Demineralized water		Carrier/solvent	52.00
2	DISPERBYK-2010	BYK	Wetting and dispersing	21.90
3	DISPERBYK-180	BYK	Wetting and dispersing	-
4	BYK-012	BYK	Defoamer	1.00
5	Preservative			0.10
6	RHEOBYK-D 420	BYK	Anti-settling	-
7	Pigment (see headline)	See headline	Pigment	25.00
Total				100.00

Instructions

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

Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-2010	35.00 %
DISPERBYK-180	-

Remark

The exchange of a pigment as well as a partial exchange of the water by solvents 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®, BYKJET®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAC®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, NANOBYK®, OPTIBENT®, OPTIGEL®, PURABYK®, RECYCLOBYK®, RHEOBYK®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® 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

