

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

Pigment	Kronos 2160	Bayferrox 3910	Hansa Brilliant Yellow 2GX70	Novoperm Yellow HR 70	Novoperm Yellow H3G	Novoperm Orange HL 70
Supplier	Kronos International	Lanxess	Sudarshan	Sudarshan	Sudarshan	Sudarshan

Position	Component	Supplier	Function	PW 6	PY 42	PY 74	PY 83	PY 154	PO 36
1	Water		Solvent	19.60	22.80	28.90	28.90	37.60	46.40
2	Preservative		Preservation	0.10	0.10	0.10	0.10	0.10	0.10
3	DISPERBYK-190	BYK	Wetting and dispersing	8.80	20.60	30.00	30.00	26.30	22.50
4	BYK-024	BYK	Defoaming	1.00	1.00	1.00	1.00	1.0	1.00
5	RHEOBYK-7420 CA	BYK	Anti-settling	0.50	0.50	-	-	-	-
6	Pigment	See headline	Color	70.00	55.00	40.00	40.00	35.00	30.00
<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 1–5, add pigment and disperse well (beads are recommended).

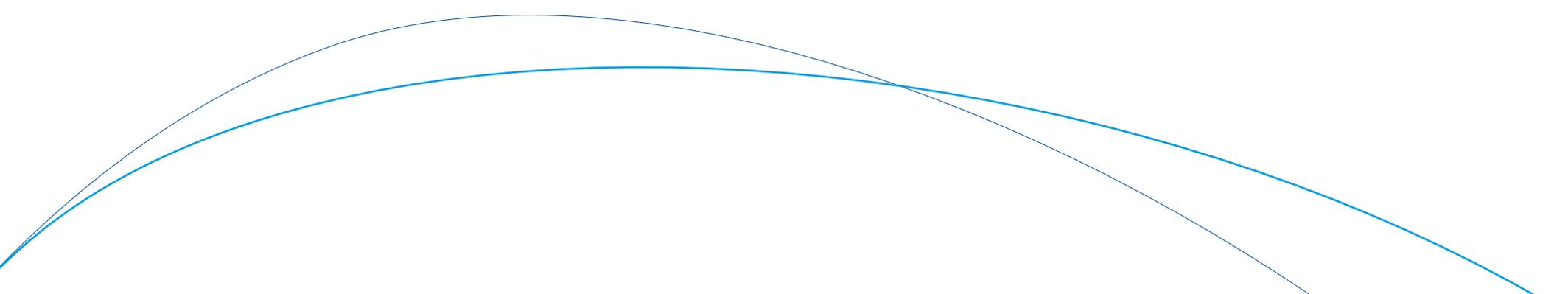
### Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-190	5.00 %	15.00 %	30.00 %	30.00 %	30.00 %	30.00 %
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### Remark

Changing the pigment as well as partial exchange of 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 – Pigment concentrates for water-borne systems with DISPERBYK-190

Pigment	Bayferrox 130 M	Novoperm Red F2RK 70	Irgazin Red L 3670 HD*	Hostaperm Pink E	Hostaperm Red Violett ER02	Hostaperm Violett RL
Supplier	Lanxess	Sudarshan	Sun Chemical	Sudarshan	Sudarshan	Sudarshan

Position	Component	Supplier	Function	PR 101	PR 170	PR 254	PR 122	PV 19	PV 23
1	Water		Solvent	23.40	33.90	38.90	46.40	46.40	46.40
2	Preservative		Preservation	0.10	0.10	0.10	0.10	0.10	0.10
3	DISPERBYK-190	BYK	Wetting and dispersing	15.00	25.00	30.00	22.50	22.50	22.50
4	BYK-024	BYK	Defoaming	1.00	1.00	1.00	1.00	1.00	1.00
5	RHEOBYK-7420 CA	BYK	Anti-settling	0.50	-	-	-	-	-
6	Pigment	See headline	Color	60.00	40.00	30.00	30.00	30.00	30.00
<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 1–5, add pigment and disperse well (beads are recommended).

### Characteristic data

Additive dosage (solids on pigment)

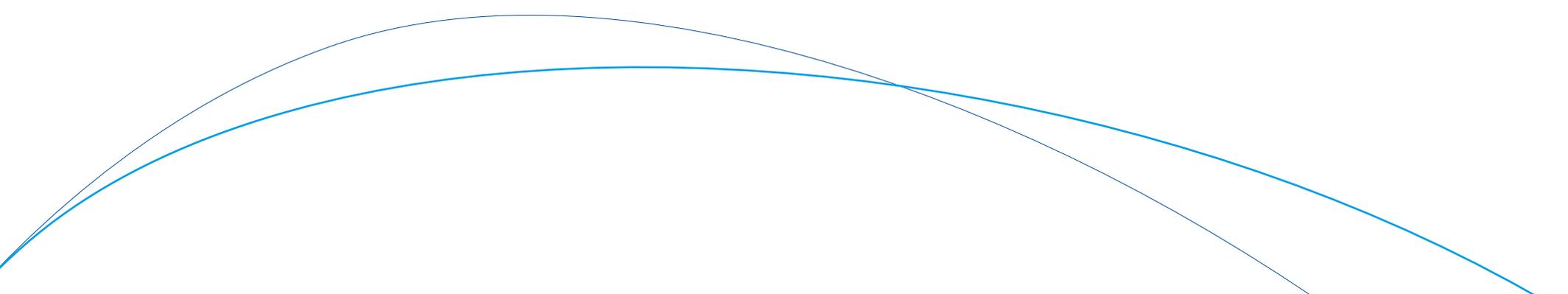
DISPERBYK-190	10.00 %	25.00 %	40.00 %	30.00 %	30.00 %	30.00 %
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### Remark

Changing the pigment as well as partial exchange of water by solvents in the formulation may change the viscosity!

The required grinding viscosity depends on the grinding equipment and must be adapted.

\* former name: Irgazin Red 2030



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				Pigment	Heliogen Blue L 6875 F	Heliogen Green L 8730	Special black 4 Powder	Special black 6 Powder	Colour Black Powder FW 200	Raven 5000
				Supplier	Sun Chemical	Sun Chemical	Orion Engineered Carbons	Orion Engineered Carbons	Orion Engineered Carbons	Birla Carbon
Position	Component	Supplier	Function	PB 15:2	PG 7	PBk 7	PBk 7	PBk 7	PBk 7	PBk 7
1	Water		Solvent	28.90	33.90	48.90	48.90	57.60	49.40	
2	Preservative		Preservation	0.10	0.10	0.10	0.10	0.10	0.10	
3	DISPERBYK-190	BYK	Wetting and dispersing	35.00	25.00	25.00	25.00	26.30	31.50	
4	BYK-024	BYK	Defoaming	1.00	1.00	1.00	1.00	1.00	1.00	
5	RHEOBYK-7420 CA	BYK	Anti-settling	-	-	-	-	-	-	
6	Pigment	See headline	Color	35.00	40.00	25.00	25.00	15.00	18.00	
<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>	<b>100.00</b>

### Instructions

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

### Characteristic data

Additive dosage (solids on pigment)

DISPERBYK-190	40.00 %	25.00 %	40.00 %	40.00 %	70.00 %	70.00 %
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### Remark

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



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