

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

				Pigment	Bayferrox 3910	Hansa Brilliant Yellow 2GX70	Novoperm Yellow HR 70	Novoperm Yellow H3G	Novoperm Orange HL 70
				Supplier	Kronos International	Lanxess	Heubach	Heubach	Heubach
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).

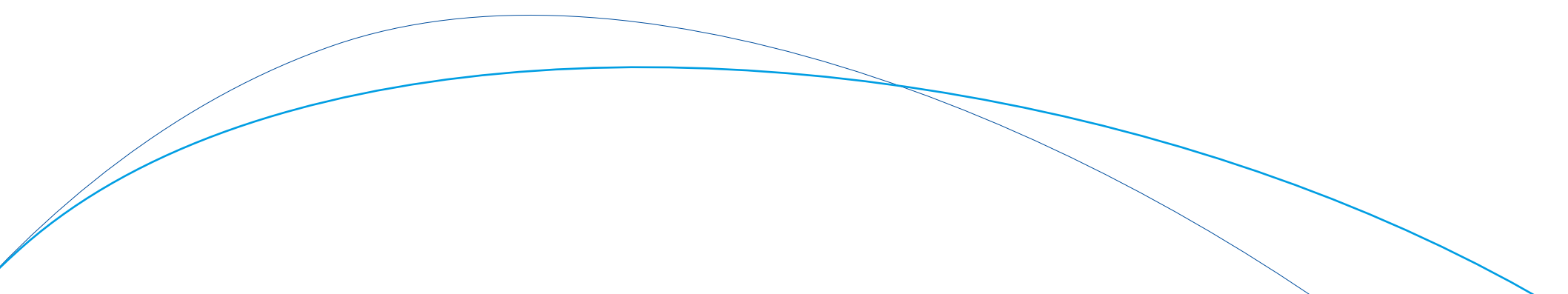
### Characteristic data

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-based systems with DISPERBYK-190

				Pigment	Novoperm Red F2RK 70 Heubach	Irgazin Red L 3670 HD* BASF	Hostaperm Pink E Heubach	Hostaperm Red Violett ER02 Heubach	Hostaperm Violett RL Heubach
				Supplier	Lanxess				
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)

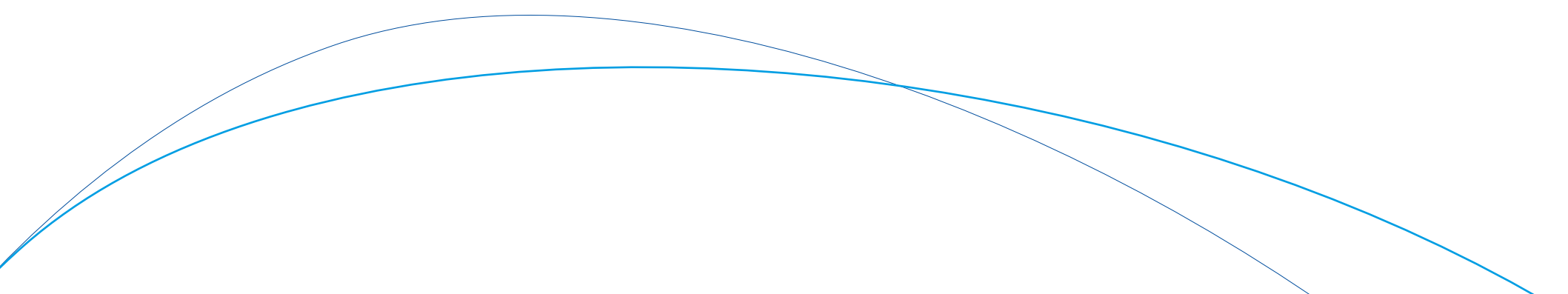
	PR 101	PR 170	PR 254	PR 122	PV 19	PV 23
DISPERBYK-190	10.00 %	25.00 %	40.00 %	30.00 %	30.00 %	30.00 %

### Remark

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\* former name: Irgazin Red 2030



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

Position	Component	Supplier	Function	Pigment		Special black 4 Powder		Special black 6 Powder		Colour Black Powder FW 200		Raven 5000	
				Heliogen Blue L 6875 F BASF	Heliogen Green L 8730 BASF	Orion Engineered Carbons	Orion Engineered Carbons	Orion Engineered Carbons	Orion Engineered Carbons	Birla Carbon			
				PB 15:2	PG 7	PBk 7	PBk 7	PBk 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>				

### Instructions

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

### Characteristic data

Additive dosage (solids on pigment)

	PB 15:2	PG 7	PBk 7	PBk 7	PBk 7	PBk 7
DISPERBYK-190	40.00 %	25.00 %	40.00 %	40.00 %	70.00 %	70.00 %

### 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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This issue replaces all previous versions.

