

Starting point formulation – Pigment concentrates for 100 % UV systems with DISPERBYK-2155

				Pigment		Supplier			
				Ti-Pure R-902 Chemours	Hostaperm Yellow H4G Heubach	Bayferrox 130 M Lanxess	Irgazin Red L 3660 HD BASF	Heliogen Blue L 7101 F BASF	Special black 250 Orion Engineered Carbons
Position	Component	Supplier	Function	PW 6	PY 151	PR 101	PR 254	PB 15:4	PBk 7
1	Dipropylene glycol diacrylate		Solvent	32.90	74.00	32.00	60.40	73.00	82.00
2	DISPERBYK-2155	BYK	Wetting and dispersing	1.30	6.00	7.20	9.00	6.00	8.00
3	BYK-SYNERGIST 2100	BYK	Wetting and dispersing	-	-	-	-	1.00	-
4	BYK-SYNERGIST 2105	BYK	Wetting and dispersing	-	-	-	0.60	-	-
5	RHEOBYK-7410 ET	BYK	Anti-settling	0.80	-	0.80	-	-	-
6	Pigment	See headline	Color	65.00	20.00	60.00	30.00	20.00	10.00
Total				100.00	100.00	100.00	100.00	100.00	100.00

Instructions

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

Characteristic data

Additive dosage (solids on pigment)

Additive	PW 6	PY 151	PR 101	PR 254	PB 15:4	PBk 7
DISPERBYK-2155	2.00 %	30.00 %	12.00 %	30.00 %	30.00 %	80.00 %
BYK-SYNERGIST 2100	-	-	-	-	5.00 %	-
BYK-SYNERGIST 2105	-	-	-	2.00 %	-	-

Remark

Changing the pigment or solvent 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

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This issue replaces all previous versions.

