

Starting Formulation

Pigment concentrates based on EPIKOTE 1001 for flooring application using DISPERBYK-2152

Pos.	Component	Supplier	Function	Kronos	Bayferrox	Hostaperm	Bayferrox	Novoperm
				2360	3920	yellow H3G	120M	orange HL 70
				PW 6	PY 42	PY 154	PR 101	PO 36
1	Epikote 1001 75% in Xylene	Hexion	Binder	17.8	18.3	16.0	17.8	16.0
2	Dowanol MPA	Dow	Solvent	19.9	21.8	45.6	16.6	47.4
3	Dowanol PM	Dow	Solvent	-	-	-	-	-
4	DISPERBYK-2152	BYK	Wetting & Dispersing	1.5	4.1	8.1	4.8	6.0
5	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	-	-	-	-	-
6	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing	-	-	-	-	0.6
7	Aerosil R972	Evonik	Anti-settling	0.8	0.8	0.3	0.8	-
8	Pigment & Color Index	see headline	Color	60.0	55.0	30.0	60.0	30.0
				100.0	100.0	100.0	100.0	100.0

Instructions

Premix position 1-7, add pigment and disperse well
 (beads are recommended)

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2152	2.5	7.5	27.0	8.0	20.0
BYK-SYNERGIST 2100	-	-	-	-	-
BYK-SYNERGIST 2105	-	-	-	-	2.0

Pigment : binder ratio (solid : solid binder) 4.5 : 1 4.0 : 1 2.5 : 1 4.5 : 1 2.5 : 1

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Pos.	Component	Supplier	Function	Novoperm red F3RK70	Hostaperm pink E	Hostaperm violet RL-NF	Heliogen blue L7101F	Heliogen green L8735
				PR 170	PR 122	PV 23	PB 15:4	PG 7
1	Epikote 1001 75% in Xylene	Hexion	Binder	20.0	16.0	28.0	24.0	29.6
2	Dowanol MPA	Dow	Solvent	41.7	61.0	55.4	51.7	38.1
3	Dowanol PM	Dow	Solvent	-	-	-	-	-
4	DISPERBYK-2152	BYK	Wetting & Dispersing	7.5	5.0	4.6	6.3	8.1
5	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	-	-	-	-	1.2
6	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing	0.8	-	-	-	-
7	Aerosil R972	Evonik	Anti-settling	-	-	-	-	-
8	Pigment & Color Index	see headline	Color	30.0	18.0	12.0	18.0	23.0
				100.0	100.0	100.0	100.0	100.0

Instructions

Premix position 1-7, add pigment and disperse well (beads are recommended)

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2152	25.0	27.8	38.3	35.0	35.2
BYK-SYNERGIST 2100	-	-	-	-	5.2
BYK-SYNERGIST 2105	2.7	-	-	-	-

Pigment : binder ratio (solid : solid binder) 2.0 : 1 1.5 : 1 0.6 : 1 1.0 : 1 1.0 : 1

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Pos.	Component	Supplier	Function	Special black 4	Raven 14
				PBk 7	PBk 7
1	Epikote 1001 75% in Xylene	Hexion	Binder	36.7	36.7
2	Dowanol MPA	Dow	Solvent	16.8	16.8
3	Dowanol PM	Dow	Solvent	16.8	16.8
4	DISPERBYK-2152	BYK	Wetting & Dispersing	7.7	7.7
5	BYK-SYNERGIST 2100	BYK	Wetting & Dispersing	-	-
6	BYK-SYNERGIST 2105	BYK	Wetting & Dispersing	-	-
7	Aerosil R972	Evonik	Anti-settling	-	-
8	Pigment & Color Index	see headline	Color	22.0	22.0
				100.0	100.0

Instructions

Premix position 1-7, add pigment and disperse well (beads are recommended)

Characteristic Data

% Additive Dosage (solids on pigment)

DISPERBYK-2152	35.0	35.0
BYK-SYNERGIST 2100	-	-
BYK-SYNERGIST 2105	-	-

Pigment : binder ratio (solid : solid binder)

0.8 : 1 0.8 : 1

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