

in Alkyd emulsion

Water based coatings

Sudarshan formulation No. 991-03

Rev. Number: 01.01

07/21

Function	Product	Producer	PBW
	Demi. water		8.10
Wetting and dispersing agent	DISPERBYK®-190	BYK-Chemie	1.00
Rheology modifier	Rheovis®PE 1320 NC/PU 1214 NC, 1:0.3	BASF	0.60
Defoamer/Deaerator	TEGO® Airex 902 W	Evonik	0.20
Premix.			
Anticorrosive pigment	HEUCOPHOS® ZPO	Sudarshan	6.90
Magnesium silicate	MISTRON® 75-6 A	Imerys	4.10
Calcium/Magnesium carbonate	MICRODOL® SUPER	Omya	10.40
Carbon black pigment	Lamp black® 101	Orion Engineered Carbons	0.05
Titanium dioxide	KRONOS® 2190	KRONOS	10.10
Grind with a bead mill.			
	Demi. water		3.00
PU modified alkyd emulsion	InoKem UR 3309 (50% bio based)	Ecoat	50.40
	Demi. water		3.90
Drier	Borchi® OXY - Coat 1101	Borchers	0.15
Defoamer/Deaerator	TEGO® Airex 902 W	Evonik	0.30
Solvent	Butyl glycol		0.50
Rheology modifier	Rheovis®PE 1320 NC/PU 1214 NC, 1:0.3	BASF	0.30
Add while stirring.			
			100.00
Adjust pH 7.5 - 8.5 with ammonia.			
Specifications			
Vol.-% Anticorrosive pigment reg. pigment/filler			20.0
PVC in %			35.0
PVC / CPVC			0.6
Solids in %			51.7

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