

in High solid polyurethane

Solvent based coatings

Sudarshan formulation No. 535-10

Rev. Number: 01.01

03/18

Function	Product	Producer	PBW
Component A			
Acrylic polyol	SETALUX® D A 160 X	Allnex	22.10
Acrylic polyol	SETALUX® D A 450 BA/X	Allnex	7.35
Premix.			
Solvent	Xylene		3.95
Wetting and dispersing agent	ANTI-TERRA®-204	BYK-Chemie	0.15
Rheology modifier	BENTONE® 38	Elementis	0.45
Mix until uniform paste prior to addition.			
Defoamer	MODAFLOW® RESIN, 1% in Xylene	Allnex	1.20
Defoamer	BYK®-141	BYK-Chemie	0.25
Solvent	Ethyl acetate		1.00
Solvent	Butyl acetate		1.00
Solvent	Xylene		1.00
Add while stirring.			
Anticorrosive pigment	HEUCOPHOS® CAPP	Sudarshan	4.20
Magnesium silicate	FINNTALC M15	Elementis	2.30
Titanium dioxide	Crenox RKB5	Crenox	8.15
Barium sulfate	BLANC FIXE micro®	Venator	26.20
Iron and manganese oxide black	BAYFERROX® 303 T	LANXESS	0.20
Rheology modifier	AEROSIL® R 972	Evonik	0.15
Grind with a bead mill.			
Solvent	Ethyl acetate		1.00
Solvent	Butyl acetate		1.00
Solvent	Xylene		1.00
Add while stirring.			
			82.65
Component B			
Curing agent	Desmodur® N 75 BA	Covestro	6.40
Solvent	Ethyl acetate		3.65
Solvent	Butyl acetate		3.65
Solvent	Xylene		3.65
Premix and add while stirring.			
			17.35
			100.00
Mix components A and B thoroughly prior to use.			
Specifications			
Vol.-% Anticorrosive pigment reg. pigment/filler			15.0
PVC in %			34.7
PVC / CPVC			0.6
Solids in %			63.5

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