

in High solid polyurethane

Solvent based coatings

Sudarshan formulation No. 535-17

Rev. Number: 01.01

10/09

Function	Product	Producer	PBW
Component A			
Acrylic polyol	SETALUX® D A 160 X	Allnex	21.90
Acrylic polyol	SETALUX® D A 450 BA/X	Allnex	7.30
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	1.25
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® ZPA	Sudarshan	2.10
Anticorrosive pigment	HEUCOPHOS® CAPP	Sudarshan	2.45
Magnesium silicate	Microtalc™ IT Extra	Elementis	2.30
Titanium dioxide	Crenox RKB5	Crenox	8.15
Barium sulfate	BLANC FIXE micro®	Venator	26.10
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.			
			82.70
Component B			
Curing agent	Desmodur® N 75 BA	Covestro	6.35
Solvent	Ethyl acetate		3.65
Solvent	Butyl acetate		3.65
Solvent	Xylene		3.65
Premix and add while stirring.			
			17.30
			100.00
Mix components A and B thoroughly prior to use.			
Specifications			
Vol.-% Anticorrosive pigment reg. pigment/filler			15.0
PVC in %			35.3
PVC / CPVC			0.6

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Disclaimer - The information given in this data sheet is based on the present state of our knowledge & is intended as a general description of our products & their possible applications. Neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Because of the multitude of formulations, production & application conditions, all the above mentioned data have to be adjusted to the circumstances of the processor. As customer use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in any particular application. In addition to that, the legal rights of third parties must always be considered. No liabilities, including those for patent rights, can be derived from this fact for individual cases. It cannot be ruled out that this product contains particles < 0.1 µm. Any user of this product is responsible for determining the suitability of Sudarshan's products for its particular application & to ensure that any proprietary rights & existing laws & legislation are observed.

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Solids in %

61.8

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