

in 1K Polyurethane

Water based coatings

Sudarshan formulation No. 03251

Rev. Number: 01.01

05/03

Function	Product	Producer	PBW
Polyurethane resin	Halwedrol® OX 48/40 W	DSM Coating Resins	33.70
Wetting and dispersing agent	DISPERBYK®-184	BYK-Chemie	1.00
Defoamer	FoamStar® ED 2526	BASF	0.60
Defoamer	BYK®-020	BYK-Chemie	0.60
Premix.			
Anticorrosive pigment	HEUCOPHOS® ZAM-PLUS	Sudarshan	9.15
Corrosion inhibitor	HEUCORIN® RZ	Sudarshan	1.00
Talc/chlorite filler	LUZENAC 10M2	Imerys	7.40
Mica/quartz/chlorite filler	Plastorit® Micro	Imerys	4.90
Titanium dioxide	SACHTLEBEN R-KB-6	Venator	14.80
Rheology modifier	AEROSIL® R 972	Evonik	0.50
Grind to a fineness of app. 20 microns.			
Drier	Nuodex® WEB Combi AQ	Venator	0.65
Solvent	Butyl glycol		0.65
Premix and add while stirring.			
	Demi. water		5.10
Polyurethane resin	Halwedrol® OX 48/40 W	DSM Coating Resins	17.00
Solvent	Butyl glycol		0.50
Flash rust inhibitor	CHE®-COAT-CI L8AF	C.H. Erbslöh	0.20
Flash rust inhibitor	CHE®-COAT-CI L8NF	C.H. Erbslöh	0.20
Antiskinning agent	Exkin® 2	Venator	0.20
Wetting agent	TROYSOL™ LAC	Troy Chemical	0.40
Add components separately while stirring.			
	Demi. water		0.95
Rheology modifier	Viscalex® HV30	BASF	0.25
Neutralizing agent	Dimethylethanolamine		0.05
Mix until uniform paste prior to addition.			
Rheology modifier	Rheovis® PU 1280	BASF	0.10
Solvent	Butyl glycol		0.10
Premix and add while stirring.			
			100.00
Specifications			
Vol.-% Anticorrosive pigment reg. pigment/filler			22.3
PVC in %			35.4
PVC / CPVC			0.6
Solids in %			60.1

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