

in 1K Polyurethane

Water based coatings

Sudarshan formulation No. 592-03

Rev. Number: 01.01

07/10

Function	Product	Producer	PBW
Polyurethane dispersion	Bayhydrol® UH XP 2592	Covestro	28.95
Solvent	Butyl glycol		1.65
Glycol ether	DOWANOL™ DPnB	Dow	1.65
Antiskinning agent	Ascinin® Anti Skin 0445	Borchers	0.05
Premix.			
Drier	Nuodex® WEB Combi AQ	Venator	1.25
	Demi. water		1.25
Add while stirring.			
Defoamer	BYK®-022	BYK-Chemie	0.15
Anticorrosive pigment	HEUCOPHOS® ZCP-PLUS	Sudarshan	10.00
Anticorrosive pigment	Zinc oxide		0.90
Grind 5 minutes.			
	Demi. water		3.25
Add.			
Neutralizing agent	N-Ethyl-diisopropylamine		0.25
	Demi. water		0.25
Premix and add while stirring.			
Magnesium silicate	FINNTALC M05N	Elementis	3.90
Calcium/Magnesium carbonate	MICRODOL® SUPER	Omya	6.50
Titanium dioxide	SACHTLEBEN R-KB-6	Venator	10.20
Carbon black pigment	PRINTEX® 55	Orion Engineered Carbons	0.10
Rheology modifier	AEROSIL® 300	Evonik	0.30
Grind to a fineness of < 20 microns, temperature < 40 °C.			
Polyurethane dispersion	Bayhydrol® UH XP 2592	Covestro	28.95
Add to the grind.			
Rheology modifier	Borchi® Gel PW 25	Borchers	0.05
	Demi. water		0.30
Premix and add while stirring.			
Surfactant	BYK®-346	BYK-Chemie	0.10
Add while stirring.			
			100.00

Specifications

Vol.-% Anticorrosive pigment reg. pigment/filler	33.0
PVC in %	28.5
PVC / CPVC	0.5

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