

in Acrylic emulsion

Water based coatings

Sudarshan formulation No. 419-03

Rev. Number: 01.01

01/09

Function	Product	Producer	PBW
	Demi. water		6.85
Dispersing agent	TAMOL™ 681	Dow	1.20
Substrate wetting agent	SURFYNOL® 104 E	Evonik	0.40
Defoamer/Deaerator	TEGO® Foamex 8050	Evonik	0.05
Neutralizing agent	Ammonia, 28%		0.10
	Demi. water		8.65
Premix.			
Anticorrosive pigment	HEUCOPHOS® ZCP-PLUS	Sudarshan	8.25
Corrosion inhibitor	HEUCORIN® RZ	Sudarshan	0.90
Calcium carbonate	Atomite®	Imerys	7.40
Titanium dioxide	Ti-Pure™ R-900	The Chemours Company	6.55
Rheology modifier	Attagel® 50	BASF	0.65
Grind with a bead mill.			
Letdown:			
Acrylic emulsion	AVANSE™ MV-100 Emulsion	Dow	52.65
Neutralizing agent	Ammonia, 15%		0.20
Defoamer/Deaerator	TEGO® Foamex 8030	Evonik	0.10
Defoamer/Deaerator	TEGO® Airex 902 W	Evonik	0.50
Add grind while stirring.			
Coalescing agent	Eastman Texanol™	Eastman Chemical	2.10
Coalescing agent	DOWANOL™ DPM	Dow	0.95
Flash rust inhibitor	Sodium nitrite, 15% in demi. water		0.90
Neutralizing agent	Ammonia, 15%		0.15
	Demi. water		1.00
Carbon black pigment	UCD® 1625E	Chromaflo Technologies	0.05
Stir for 20-30 mins, then add RM` s			
Rheology modifier	ACRYSOL™ RM-12W	Dow	0.25
Rheology modifier	ACRYSOL™ RM-8W	Dow	0.15
			100.00

Specifications	
Vol.-% Anticorrosive pigment reg. pigment/filler	32.0
PVC in %	23.9
PVC / CPVC	0.4
Solids in %	51.5

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