

## in Styrene acrylic emulsion

Water based coatings

Sudarshan formulation No. 875-10

Rev. Number: 01.02

09/23

Function	Product	Producer	PBW
	Demi. water		8.20
Dispersing agent	OROTAN™ 165 Dispersant	Dow	1.45
Substrate wetting agent	SURFYNOL® 104 DPM	Evonik	0.40
Dispersing agent	Dispex® Ultra FA 4404	BASF	0.40
Defoamer	FoamStar® SI 2210	BASF	0.20
Neutralizing agent	Dimethylethanolamine		0.20
Coalescing agent	DOWANOL™ DPM	Dow	1.00
<b>Premix.</b>			
Anticorrosive pigment	HEUCOPHOS® ZCP-PLUS	Sudarshan	4.90
Calcium carbonate	DURCAL 5	Omya	7.70
Magnesium silicate	FINNTALC M15	Elementis	3.60
Titanium dioxide	TIOXIDE® TR92	Venator	10.60
Iron and manganese oxide black	BAYFERROX® 303 T	LANXESS	0.40
<b>Grind with a bead mill.</b>			
Styrene acrylic emulsion	MAINCOTE™ 1071 Emulsion	Dow	53.60
	Demi. water		2.80
Coalescing agent	Eastman Texanol™	Eastman Chemical	1.65
Defoamer	BYK®-024	BYK-Chemie	0.10
Flash rust inhibitor	HEUCOFLASH™ LQ1	Sudarshan	0.80
<b>Add while stirring.</b>			
Rheology modifier	ACRYSOL™ SCT-275	Dow	0.40
Solvent	Butyl diglycol		0.40
	Demi. water		1.20
<b>Premix and add while stirring.</b>			
			100.00
<b>Adjust pH 9.5 with ammonia, 25%.</b>			
<b>Specifications</b>			
Vol.-% Anticorrosive pigment reg. pigment/filler			18.1
PVC in %			24.8
PVC / CPVC			0.4
Solids in %			54.0

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