

# MINIFIBERS, INC.

## BLOCK FILLER CONTAINING SHORT STUFF® POLYETHYLENE E380F

Celanese Polymer Specialties Company has suggested a block filler coating formulation using SHORT STUFF® Polyethylene fiber in a solvent-free two-package epoxy system.

<b>MATERIALS:</b>	Pounds	Gallons
<b>Part A:</b>		
Epi-Rez® 510 Epoxy Resin.....	113.0	11.70
Epi-Rez® 5018 Epoxy Resin.....	37.2	4.03
Pluronic E-98 Surfactant 25%.....	7.5	.86
Drew L-475 Defoamer .....	2.0	.26
Mixer at low speed 3 minutes. Add:		
Rutile Titanium Dioxide.....	100.0	3.02
Calcium Carbonate.....	150.0	6.67
Silica.....	100.0	4.55
MiniFIBERS' SHORT STUFF® Polyethylene E380F.....	5.0	.67
Add water as needed for ease of dispersion.		
Water.....	152.0	18.24
	666.7	50.00
<b>Part B:</b>		
Epi-Cure® W50-8535 Curing Agent.....	151.0	17.30
Drew L-475 Defoamer.....	2.0	.26
Cab-O-Sil M5 Silica.....	5.0	.29
Mixer at low speed 5 minutes. Add:		
Celite® 499 Silica.....	25.0	1.31
Magnesium Silicate.....	100.0	4.22
MiniFIBERS' SHORT STUFF® Polyethylene E380F.....	3.0	.40
Add water as needed for ease of dispersion.		
Water.....	218.0	26.22
	504.0	50.00
<b>CONSTANTS:</b>		
Viscosity - Part A.....	Soft Paste	
Part B.....	88 Krebs Units	
Part A & B - Fresh.....	100 Krebs Units	
1/2 Hour.....	130 Krebs Units	
1 Hour.....	141 Krebs Units	
Weight per Gallon.....	11.71 lbs.	
Application.....	Brush or spray.	
	Reduce 4 to 1 with water if needed.	
Cure.....	Room Temperature	
PVC.....	46.8%	
Total Weight Solids.....	61.0%	
Total Volume Solids.....	45.0%	
Vehicle Non-Volatile.....	37.7%	
Gloss.....	Flat	
Pencil Hardness.....	B 72 Hours Cure	
Resin Composition.....	66.5% Epoxy Resin	
	33.5% Curing Agent	

Information in this bulletin is the best available to us and is believed to be correct. No warranty is expressed or implied regarding its accuracy on the use of the product. Nothing herein constitutes permission or recommendation to practice any invention covered by any patent without a license from the owner of the patent.

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