

## ConduFlow<sup>®</sup>- 7000 Technical Specifications

### Physical Properties:

Property	Typical Value	Unit	Test Method	
Slurry Density	1176	kg/m <sup>3</sup>	SAE Inc. Standard 104	
	1.176	g/cm <sup>3</sup>		
	73.49	lbs/ft <sup>3</sup>		
Cured Density	1076	kg/m <sup>3</sup>	SAE Inc. Standard 111	
	1.076	g/cm <sup>3</sup>		
	67.17	lbs/ft <sup>3</sup>		
Volume	0.017	m <sup>3</sup>	SAE Inc. Standard 104	
	0.600	ft <sup>3</sup>		
Water Permeability	8.3 x 10 <sup>-6</sup>	cm/sec	ASTM 5084 (2.6 psi)	
Electrical Corrosion Resistance			SAE Inc. Standard 100	
	Copper	100		%
	Steel	100		
Galvanized Steel	99.68			
Compatibility			SAE Inc. Standard 100	
	Copper	Yes		
	Steel	Yes		
Galvanized Steel	Yes			
Freeze-Thaw Withstand	30	years	SAE Inc. Standard 102	

### Electrical Properties:

Property	Typical Value	Unit	Test Method
Resistance	0.92	Ω	SAE Inc. Standard 105
Resistivity	33.25	Ω·cm	SAE Inc. Standard 105

### Material Properties:

Property	Typical Value	Unit	Test Method
Physical State (Uncured)	Dark Blue Slurry (ConduFlow <sup>®</sup> ) Grey Powder (Curing Agent)		
Physical State (Cured)	Black Solid		
Odor	None		
Working Time	15 - 45	minutes	
Setting Time	24	hours	
Cure Time (90% cure)	4	weeks	
Cure Time (100% cure)	9 - 10	weeks	
Flow Rate	7000	g/min	SAE Inc. Standard 109 (funnel with 1.5" diameter opening)

Updated: 5/22/2019