

56.0

31.9

1.3

PRODUCT DATA

SUREFLOW 17EM

SUREFLOW 17EM IS A "SELF-FLOW" CASTABLE DESIGNED FOR INSTALLATION BY POURING. WHEN MIXED TO A CONVENTIONAL FOLD CONSISTANCY, SUREFLOW 17EM WILL SELF-FLOW INTO FORMWORK AND DEGAS WITHOUT THE NEED FOR VIBRATION, RODDING OR TAMPING. THIS MATERIAL HAS LOW THERMAL CONDUCTIVITY AND EXCELLENT RESISTANCE TO THERMAL SHOCK. IT IS IDEAL FOR REACTORS, SEAL-POTS AND OVERHEAD LINES, WHEN EASE OF INSTALLATION WITHOUT VIBRATION COMBINED WITH SUPERB PHYSICAL PROPERTIES IS REQUIRED.

THE DATA SHOWN IS BASED ON MATERIAL PREPARED TO A CONVENTIONAL FOLD CONSISTANCY AND ALLOWED TO SELF-FLOW INTO FORMWORK WITHOUT VIBRATION OR TAMPING.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 1370°C					
BULK DENS @ 110°C 17 @ 815°C 17	15 - 120 L	.BS/FT ³ .BS/FT ³	1842 - 1922 KG/N 1762 - 1842 KG/N		
• • • • •		P.S.I.	414 - 621 KG/CM 345 - 483 KG/CM	-	
COLD MOD @ 815°C 70	<u>ULUS OF</u> 00 - 1000		48 - 69 KG/CM ²		
PERMANEN @ 815°C @ 1095°C	IT LINEAF	R CHANGE	-0.1 to - 0.3 % -0.1 to - 0.4 %		
EROSION LOSS (ASTM C-704)					
@815°C		LESS THAN 20 CC	(Typically 15 -	16 CC)	
TYPICAL CONDUCTIVITY OR "K" FACTOR					
<u>MEAN TE</u> @ 540°C @ 815°C @ 1095°C	<u>MP</u>	<u>BTU/FT²/Hr/°F/in</u> 5.0 5.6 6.1		<u>W/mK</u> 0.71 0.80 0.87	
AL ₂ O ₃	SiO ₂	<u>TYPICAL CHEMI(</u> Fe₂O₃ CaO	<u>CAL ANALYSIS ('</u> MgO	<u>%)</u> TiO₂	AIK

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

1.6

6.0

RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet



1.3

0.5