

SUREFLOW 17E(FINE)

SUREFLOW 17E(FINE) IS A FINE GRADE "SELF-FLOW" CASTABLE DESIGNED FOR INSTALLATION BY POURING. WHEN MIXED TO A CONVENTIONAL FOLD CONSISTANCY, SUREFLOW 17E (FINE) WILL SELF-FLOW INTO FORMWORK AND DEGAS WITHOUT THE NEED FOR VIBRATION, RODDING OR TAMPING. THIS HIGHLY EROSION RESISTANT MATERIAL IS IDEAL FOR U-BENDS, Y-SECTIONS AND OVERHEAD LINES AND OTHER CATALYST TRANSFER 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

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 1510°C

BULK DENSITY

After 110°C	142 - 148 LBS/FT ³	2275 - 2370 KG/M ³
After 815°C	135 - 141 LBS/FT ³	2162 - 2258 KG/M ³

COLD CRUSHING STRENGTH

After 815°C	9000 - 12000 P.S.I.	620 - 830 KG/CM ²
-------------	---------------------	------------------------------

PERMANENT LINEAR CHANGE

Green to Dried @ 110°C	0.0 TO - 0.1 %
Dried to Fired @ 815°C	0.0 TO - 0.3 %

EROSION LOSS (ASTM c-704) Less than 10 CC

TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	7.4	1.07
@ 815°C	8.0	1.15
@ 1095°C	8.4	1.21

<u>TYPICAL CHEMICAL ANALYSIS (%)</u>						
<u>AL₂O₃</u>	<u>SiO₂</u>	<u>Fe₂O₃</u>	<u>CaO</u>	<u>MgO</u>	<u>TiO₂</u>	<u>AlK</u>
58.0	32.7	0.8	5.9	0.2	0.8	0.6

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. 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