RESCO
PRODUCTS (UK) LTD

SELF FLOW CASTABLES

PRODUCT DATA

SUREFLOW 17E

SUREFLOW 17E IS A "SELF-FLOW" CASTABLE DESIGNED FOR INSTALLATION BY POURING. WHEN MIXED TO A CONVENTIONAL FOLD CONSISTANCY,SUREFLOW 17E 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

@ 110°C	139 - 145	LBS/FT^3	2225 - 2325	KG/M^3
@ 815°C	132 - 138	LBS/FT^3	2115 - 2210	KG/M^3

COLD CRUSHING STRENGTH

@ 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

MEAN TEMP	BTU/FT^2/Hr/°F/in	W/mK
@ 540°C	7.4	1.07
@ 815°C	8.0	1.15
@ 1095°C	8.4	1.21

TYPICAL CHEMICAL ANALYSIS (%)

AL_2O_3	SiO_2	Fe_2O_3	CaO	MgO	TiO_2	AlK
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.
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