



# SELF FLOW CASTABLES

PRODUCT DATA

## SUREFLOW 88

**SUREFLOW 88 IS A "SELF-FLOW" CASTABLE DESIGNED FOR INSTALLATION BY POURING. WHEN MIXED TO A CONVENTIONAL FOLD CONSISTANCY, SUREFLOW 88 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 OR TAMPING.

### MAXIMUM SERVICE TEMPERATURE (M.S.T.)

#### BULK DENSITY

@ 110°C	139 - 144	LBS/FT <sup>3</sup>	2226 - 2307	KG/M <sup>3</sup>
@ 815°C	133 - 139	LBS/FT <sup>3</sup>	2130 - 2226	KG/M <sup>3</sup>

#### COLD CRUSHING STRENGTH

@ 815°C	11000 - 17000	P.S.I.	758 - 1172	KG/CM <sup>2</sup>
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#### COLD MODULUS OF RUPTURE

@ 815°C	2000 - 2500	P.S.I.	138 - 172	KG/CM <sup>2</sup>
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#### PERMANENT LINEAR CHANGE

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

#### EROSION LOSS (ASTM C-704)

@ 815°C	LESS THAN 8 CC
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#### TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/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

#### TYPICAL CHEMICAL ANALYSIS (%)

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	AlK
55.6	35.2	0.8	5.9	0.1	0.8	0.6

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