



# TECHNICAL DATA

## EZ CAST ® 85 SELF FLOW/PUMPABLE LOW CEMENT CASTABLE

Recommended Service Temperature.....	3250° F
Water Required for Mixing :Pumpable .....	4.5 - 5.0%
:Vibrated, External or Internal Vibration.....	3.0 - 4.5%
Material Required Per Ft <sup>3</sup> :Self Flow.....	182-185 lb
:Vibrated, External or Internal Vibration.....	179-185 lb
Packaging.....	55 lb bag

### SELF FLOW

TEMPERATURE (°F)	BULK DENSITY (lb/ft <sup>3</sup> )	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in <sup>2</sup> )	COLD CRUSH STRENGTH (lb/in <sup>2</sup> )	APPARENT POROSITY (%)	K-FACTOR ASTM C1113 (Btu-in/hr-ft <sup>2</sup> °F)	ABRASION LOSS (cm <sup>3</sup> )
220	187-191	-----	1800-2700	11200-15400	9 - 12	39.1	3 - 6
1500	185-190	-0.3 to 0.0	2000-3150	12400-17400	11 - 16	23.8	3 - 5
2550	182-188	0.1 to 0.7	2300-3600	17400-21900	13 - 19	20.5	-----
2732	180-188	0.2 to 0.8	1600-3400	12500-17600	16 - 17	20.0	-----
2910	183-190	-0.2 to 0.7	2000-2900	12900-19100	13 - 14	19.7	-----
3000	190-191	-0.4 to 0.8	1800-3200	11000-24700	10 - 11	19.9	-----

### VIBRATED

220	185-191	-----	1700-2200	8500-13500	9 - 12	-----	3 - 5
1500	181-187	-0.1 to 0.1	3200-3800	14500-18500	12 - 16	-----	3 - 5
2550	177-183	0.1 to 0.5	3900-4400	26900-30500	14 - 17	-----	-----
2910	182-188	0.0 to 0.3	3000-3600	20000-25000	10 - 14	-----	-----
3000	185-189	0.0 to 0.3	2700-3300	16000-22000	9 - 14	-----	-----

#### CHEMICAL ANALYSIS: (Ignited)

Al <sub>2</sub> O <sub>3</sub> .....	85.5%
SiO <sub>2</sub> .....	9.8
Fe <sub>2</sub> O <sub>3</sub> .....	0.8
TiO <sub>2</sub> .....	2.2
CaO .....	1.2
MgO .....	0.1
Alkalies .....	0.4

#### HOT MODULUS OF RUPTURE: (lb/in<sup>2</sup>)

Temp °F	Self Flow
2400.....	1500-2000
2500.....	1000-1500
2550.....	400- 950
2700.....	350- 600

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), 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 express or implied warranties based on this sheet.

02/28/08 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