



# TECHNICAL DATA

Interim

## EZ<sup>3</sup> 80-15

SiC CONTAINING LOW CEMENT/CORROSION RESISTANT CASTABLE

Recommended Service Temperature.....	3100°F
Water Required for Mixing :Self Flow.....	5.5-6.0%
:Shotcreted.....	4.5-5.0%
:Vibrated External or Internal Vibration.....	3.5-4.5%
Material Required Per Ft <sup>3</sup> :Self Flow.....	177-181 lb
:Shotcreted .....	188-192 lb
:Vibrated, External or Internal Vibration.....	181-185 lb
Packaging.....	55 lb bag

### SELF FLOW/PUMPABLE

TEMPERATURE (°F)	BULK DENSITY (lb/ft <sup>3</sup> )	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/ft <sup>2</sup> )	COLD CRUSH STRENGTH (lb/ft <sup>2</sup> )	APPARENT POROSITY (%)	K-FACTOR ASTM C-1113 (Btu-in/hr-ft <sup>2</sup> ·°F)	ABRASION LOSS (cm <sup>3</sup> )
220	183-187	-----	1500-2000	8000-12000	8 - 12	39.0	10 - 15
1500	178-182	-0.3 to 0.1	1500-2000	6000-10000	15 - 19	23.8	10 - 14
2000	178-182	-0.3 to 0.1	1800-2300	9000-14000	17 - 21	23.4	-----
2550	178-182	-0.2 to 0.2	2000-2500	10000-14000	14 - 18	24.2	-----
2910	176-180	0.1 to 0.5	-----	10000-15000	12 - 16	-----	-----

### SHOTCRETED

220	185-189	-----	2000-2500	10000-14000	9 - 13	48.7	6 - 10
1500	182-186	-0.3 to 0.1	2000-2500	8000-13000	14 - 18	28.3	6 - 10
2000	180-184	-0.2 to 0.2	2000-2500	10000-14000	15 - 19	28.0	-----
2550	180-184	-0.2 to 0.2	2000-2500	10000-14000	14 - 18	28.3	-----
2910	180-184	-0.2 to 0.6	-----	10000-14000	12 - 16	27.9	-----

### VIBRATED

220	187-191	-----	2200-2700	12000-17000	7 - 11	53.0	5 - 8
1500	182-186	-0.3 to 0.1	2500-3000	12000-17000	13 - 17	31.8	5 - 8
2000	184-188	-0.3 to 0.1	2500-3000	12000-16000	14 - 18	31.8	-----
2550	182-186	-0.3 to 0.1	2300-2700	12000-16000	13 - 17	31.8	-----
2910	183-187	-0.2 to 0.2	1900-2300	16000-20000	10 - 14	31.7	-----

### Chemical Analysis (Ignited)

Al <sub>2</sub> O <sub>3</sub> .....	75.5%
SiC .....	16.3
SiO <sub>2</sub> .....	5.0
Fe <sub>2</sub> O <sub>3</sub> .....	0.3
TiO <sub>2</sub> .....	1.5
CaO .....	1.2
MgO .....	0.7
Alkalies .....	0.1

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

Temp°F	<u>Self Flow</u>	<u>Shotcreted</u>	<u>Vibrated</u>
At 2000°F	2800-3300	3200-3900	3800-4300

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11/16/1998 is the date this data sheet was published. Check with your RESCO sales office to make sure you have a current data sheet, since this technical data may have changed.

[GUIDELINE 5](#)

[DRYOUT SCHEDULE 104](#)