



TECHNICAL DATA

Interim

EZ³ 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 ³ :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 ³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/ft ²)	COLD CRUSH STRENGTH (lb/ft ²)	APPARENT POROSITY (%)	K-FACTOR ASTM C-1113 (Btu-in/hr-ft ² ·°F)	ABRASION LOSS (cm ³)
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 ₂ O ₃	75.5%
SiC	16.3
SiO ₂	5.0
Fe ₂ O ₃	0.3
TiO ₂	1.5
CaO	1.2
MgO	0.7
Alkalies	0.1

HOT MODULUS OF RUPTURE (lb/in²)

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

This data represents average properties obtained from commercial production lots and should not be considered guaranteed specifications. RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

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](#)