



Technical Data

EZ³ LO-ERODE[®]

SHOTCRETABLE/SELF FLOW/PUMPABLE ABRASION RESISTANT CASTABLE

Recommended Service Temperature	2600°F
Water Required for Mixing	:Self Flow/Pumpable..... 6.3-7.3%
	:Shotcretable..... 5.3-6.3%
	:Vibrated, External or Internal Vibration.....4.5-5.5%
Material Required Per Ft ³	:Self Flow 135-139 lbs
	:Shotcreted (includes 4% rebound)..... 142-148 lbs
	:Vibrated, External or Internal Vibration.....137-141 lbs

SELF FLOW

TEMPERATURE (°F)	BULK DENSITY (lb/ft ³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in ²)	COLD CRUSH STRENGTH (lb/in ²)	APPARENT POROSITY (%)	K-FACTOR ASTM C1113 (Btu.in/hr.ft ² °F)	ABRASION LOSS (cm ³)
220	134-144	-0.2 to 0.0	1800-2200	8000-16000	8 - 12	-----	4 - 8
600	136-140	-0.3 to 0.0	1600-2200	8000-12000	14 - 18	9.4	-----
1500	135-139	-0.3 to 0.0	1200-2000	8000-12000	15 - 19	10.0	4 - 8
2000	136-140	-0.5 to -0.2	1000-1600	4000- 8000	15 - 19	10.6	-----
2400	138-142	-0.6 to 0.2	1000-1400	5000- 9000	14 - 18	-----	-----

SHOTCRETED

220	137-143	-0.2 to 0.0	1200-2200	10000-16000	10 - 14	10.0	4 - 8
600	134-140	-0.5 to 0.2	900-1900	5000-11000	14- 18	9.5	-----
1500	134-140	-0.6 to 0.0	600-1600	4000-10000	15 - 19	10.1	6 - 10
2000	134-140	-0.7 to -0.1	700-1700	4000-10000	16 - 20	10.4	-----
2400	133-137	-0.7 to -0.5	1200-1800	5000- 8000	17 - 20	10.2	-----
2550	135-139	-0.7 to -1.1	1700-2100	4000- 7000	13 - 15	10.2	-----

VIBRATED

220	142-146	-0.2 to 0.0	1000-1800	14000-18000	4 - 8	-----	5 - 9
600	138-142	-0.2 to 0.0	1800-2200	14000-18000	12- 16	10.6	-----
1500	137-141	-0.3 to 0.0	1200-2000	9000-13000	15 - 19	10.9	5 - 9
2000	138-142	-0.4 to -0.2	1000-1600	5000- 9000	13 - 17	11.6	-----
2400	140-144	-0.5 to -0.7	1000-1400	5000- 9000	12 - 16	-----	-----

*Shotcreting or pumping application requires a 40% to 50% flow value.

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	.....	44.1%
SiO ₂	.....	46.7
Fe ₂ O ₃	.....	1.0
TiO ₂	.....	1.6
CaO	.....	4.4
MgO	.....	0.5
Alkalies	.....	1.7

HOT MODULUS OF RUPTURE:(lb/in²)

	<u>Shotcrete</u>
At 1500°F.....	1800-3800
At 2000°F.....	1300-3300

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 property and specifications at any time without prior notice.

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