



# Technical Data

## EZ<sup>®</sup> 60-M

MULLITE-BASED/ SELF FLOW/PUMPABLE/SHOTCRETE/LOW CEMENT CASTABLE

Recommended Service Temperature:	3100°F
Water Required for Mixing	:Self Flow..... 5.75-6.75%
	:Vibrated, External or Internal Vibration..... 4.0-5.0%
	:Shotcretable..... 4.75-5.75%
Material Required Per Ft <sup>3</sup>	:Self Flow ..... 149-154 lb
	:Vibrated, External or Internal Vibration..... 151-159 lb
	Shotcreted (Includes 5% rebound)..... 159-164 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	154-159	-----	1250-2250	7000-13000	9-13	14.9	6-11
1500	152-157	-0.5 to +0.1	1750-2750	7500-13500	15-19	13.2	4-9
2000	152-157	-0.7 to -0.1	2350-3350	8500-14500	15-19	14.0	-----
2550	149-154	+0.4 to +1.0	2200-3200	12500-18500	17-21	12.8	-----
2910	153-158	-0.5 to +0.1	3000-4000	18000-28000	11-15	12.2	-----
3000	154-159	-0.8 to -0.2	1300-2300	18000-28000	9-13	12.4	-----

### SHOTCRETED

220	157-162	-----	2200-3200	12000-18000	-----	16.2	3 - 8
1500	153-158	-0.3 to 0.3	2250-3250	11000-17000	13-17	14.7	4 - 9
2000	156-162	-0.7 to -0.1	2200-3200	8500-14500	13-17	15.6	-----
2550	150-155	0.2 to 0.8	2550-3550	11500-17500	16-20	13.4	-----
2910	151-156	0.1 to 0.7	2900-3900	19000-25000	13-17	13.2	-----

### VIBRATED

220	160-165	-----	1700-2700	17000-23000	4-8	18.1	3-8
1500	158-163	-0.7 to -0.1	3500-4500	19000-25000	10-14	16.0	3-6
2000	156-161	-0.7 to -0.1	3200-4200	16500-22500	10-14	16.6	-----
2550	154-159	+0.2 to +0.8	3000-4000	16000-22000	12-16	14.8	-----
2910	159-164	-0.6 to 0.0	3700-4700	20500-26500	6-10	13.9	-----
3000	158-163	-0.5 to +0.1	1000-2000	17500-23500	4-8	14.3	-----

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

#### CHEMICAL ANALYSIS: (Ignited)

Al <sub>2</sub> O <sub>3</sub>	.....	63.3%
SiO <sub>2</sub>	.....	32.3
Fe <sub>2</sub> O <sub>3</sub>	.....	0.9
TiO <sub>2</sub>	.....	1.7
CaO	.....	1.5
MgO	.....	0.1
Alkalies	.....	0.2

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

	<u>Vibrated</u>	<u>Self-Flow</u>	<u>Shotcrete</u>
At 2000°F.....	5800-6800	3400-4400	-----
At 2400°F.....	1000-2000	600-1600	1250-2250
At 2700°F.....	600-1600	500-1500	-----

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.

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