



Technical Data

EZ³® 2700

SHOTCRETABLE/SELF FLOW/PUMPABLE CASTABLE

Recommended Service Temperature	2700°F
Water Required for Mixing :Self Flow/Pumpable	7.0-8.5%
:Vibrated, External or Internal Vibration.....	4.5-6.0%
:Shotcreted.....	6.5-7.5%
Material Required Per Ft ³ :Self Flow	131-135 lb
:Shotcreted (includes 5% rebound).....	136-142 lb
:Vibrated, External or Internal Vibration.....	140-144 lb

SELF FLOW

TEMPERATURE (OF)	BULK DENSITY (lb/ft ³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in ²)	COLD CRUSH STRENGTH (lb/in ²)	APPARENT POROSITY (%)	K-FACTOR ASTM C-1113 (Btu-in/hr-ft ² °F)	ABRASION LOSS (cm ³)
220	125-141	-----	1700-2100	4000-9800	10 - 14	-----	4 - 8
1500	132-136	-0.2 to 0.0	1400-1900	6000-10000	15 - 19	11.8	6 - 10
2000	132-137	-0.6 to 0.0	1400-1800	5200- 9200	15 - 19	12.2	-----
2550	134-139	-1.2 to 0.0	1800-2200	6000-14000	8 - 12	11.7	-----

SHOTCRETED

220	133-139	-----	900-1900	4000- 9500	11 - 15	8.4	4 - 8
1500	130-136	-0.2 to 0.1	700-1700	3000- 9000	16 - 19	9.4	8 - 12
2000	130-136	-0.6 to 0.0	500-1500	3000- 8500	16 - 20	10.2	-----
2550	131-137	-0.8 to -0.2	500-1500	4000- 9500	11 - 15	10.3	-----

VIBRATED

220	142-146	-0.4 to 0.0	1100-1500	10000-14000	7- 9	-----	6 - 10
1500	140-144	-0.5 to -0.1	1500-1900	8000-12000	13 - 15	11.8	7 - 11
2000	141-145	-0.7 to -0.3	1300-1700	7000-11000	13 - 15	12.2	-----
2500	140-144	-0.2 to 0.3	1500-1900	8000-12000	-----	11.7	-----

*Shotcreting or pumping application requires a 30% to 60% flow value.

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	.....	42.2%
SiO ₂	.....	49.2
Fe ₂ O ₃	.....	1.2
TiO ₂	.....	1.8
CaO	.....	3.7
MgO	.....	0.5
Alkalies	.....	1.4

HOT MODULUS OF RUPTURE: (lb/in²)

At 2000°F..... 1200-2400

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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