Technical Data

RESCO® PRODUCTS, INC.

EZ³® 3000

SHOTCRETABLE/SELF FLOW/PUMPABLE LOW CEMENT CASTABLE

Recommended Service Temperature		3000ºF
Water Required for Mixing	:Self Flow	6.3-7.3%
	:Shotcreted	4.8-5.8%
	:Vibrated, External or Internal Vibration	4.0-5.0%
Material Required Per Ft³	:Self Flow	144-147 lb
	:Vibration	149-153 lb
	Shotcreted (includes 5% rebound)	151-154 lb
Packaging		55 lb bag

TEMPERATURE (ºF)	BULK DENSITY (lb/ft³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in²)	COLD CRUSH STRENGTH (lb/in²)	APPARENT POROSITY (%)	K-FACTOR ASTM C-1113 BTU·in/hr·Ft² ºF	ABRASION LOSS (cm3)
SELF FLOW							
220	141-151	----------	1000-1800	4000- 9000	10 - 14	11.5	11 - 16
1500	150-151	-0.6 to 0.0	800-1800	5200-11200	15 - 19	12.9	7 - 11
2000	151-152	-0.7 to -0.1	1100-2100	6900-12900	16 - 20	14.7	-------
2550	148-149	0.4 to 1.0	1300-2300	7600-13600	16 - 20	12.7	-------
2910	144-145	1.1 to 1.7	1600-2600	11600-17600	14 -1 8	12.4	-------
SHOTCRETED							
220	151-157	------	1000-1500	7000-13000	10 - 14	12.1	6 - 10
1500	151-155	-0.2 to 0.0	800-1800	6000-12000	15 - 19	12.2	8 - 12
2000	152-156	-0.5 to 0.2	1600-2600	10000-16000	14 - 18	13.5	-------
2550	145-149	0.5 to 1.0	1700-2500	7000-14000	15 - 19	12	-------
2910	135-139	2.0 to 3.0	1800-2500	13000-19000	13 - 17	12.5	-------
VIBRATED							
220	154-158	-------	2200-3000	9000-13000	8 - 12	14.1	7 - 11
1500	153-157	-0.2 to 0.2	1500-2300	12000-16000	10 - 14	14.4	6 - 9
2000	152-156	-0.4 to 0.0	1500-2100	11000-15000	10 - 14	15.6	-------
2500	147-151	0.5 to 1.0	1600-2200	8000-12000	13 - 17	15.6	-------
2910	134-138	3.6 to 4.1	1800-2400	16000-22000	10 - 14	16.7	-------

CHEMICAL ANALYSIS: (Ignited)

Al_2O_3	56.6%
SiO_2	36.1
Fe_2O_3	1.9
TiO_2	2.2
CaO	1.3
MgO	1.4
Alkalies	0.8

HOT MODULUS OF RUPTURE: (lb/in2)

	Self Flow	Shotcreted	Vibrated
At 2000ºF……	1940-3940	2500-3500	2500-3000
At 2500ºF……	1200-1800	800-1300	1000-1500

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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