Technical Data

RESCO® PRODUCTS, INC.

EZ³® 2800

SHOTCRETABLE/SELF FLOW/PUMPABLE CASTABLE

Recommended Service Temperature		2800ºF
Water Required for Mixing	:Self Flow/Pumpable	7.0-8.3%
	:Vibrated, External or Internal Vibration	5.0-6.5%
	:Shotcreted	6.5-7.5%
Material Required Per Ft³	:Self Flow	134-142
	:Shotcreted (includes 5% rebound)	139-150
	:Vibrated, External or Internal Vibration	135-140 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 C1113 (Btu·in/hr·ft² ºF)	ABRASION LOSS (cm³)
SELF FLOW							
220	131-141	0.0 to 0.0	1400-1900	4400-12500	9 - 13	------	8 - 10
1500	135-140	-0.1 to 0.1	1100-1600	5500- 9500	15 - 19	10.2	8 - 10
2000	135-140	-0.3 to 0.1	1100-1600	5000- 9000	15 - 19	11.0	------
2550	135-140	-0.2 to 0.0	1300-1800	5500- 9500	12 - 17	11.0	------
2730	131-136	1.5 to 2.0	1300-1800	6500-10500	10 - 15	------	
SHOTCRETED							
220	139-144	----------	1500-1900	9000-13000	6 - 10	10.2	5 - 9
1500	131-136	-0.2 to 0.0	1400-1800	5000- 7000	15 - 19	10.2	7 - 10
2000	132-137	-0.3 to 0.0	1000-1400	5000- 7000	16 - 20	11.0	------
2550	133-138	-0.6 to -0.2	1400-1800	5500- 7500	12 - 16	9.0	------
2730	131-136	1.0 to 2.0	1400-1800	5000- 7000	11 - 15	9.1	------
VIBRATED							
220	139-144	-0.2 to 0.0	1000-1600	10500-16500	4 - 8	10.3	5 - 9
1500	135-140	-0.3 to 0.2	1300-1900	9000-15000	14 - 18	10.6	6 - 10
2000	135-140	-0.7 to -0.2	1300-1900	6000-12000	15 - 19	11.3	------
2550	135-140	-1.0 to -0.5	1000-1600	5000-11000	10 - 14	11.5	------
2730	131-136	0.4 to 0.9	1000-1600	7000-13000	8 - 12	11.5	------

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

CHEMICAL ANALYSIS: (Ignited)

Al_2O_3	44.8%
SiO_2	48.0
Fe_2O_3	1.1
TiO_2	1.7
CaO	2.9
MgO	0.4
Alkalies	1.1

HOT MODULUS OF RUPTURE: (lb/in²)

Temperature,ºF	Pour Cast	Shotcreted	Vibrated
2000	1200-2200	2200-3200	3000-4000

Carbon Monoxide Disintegration:

200 hours..... Unaffected

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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02/05/08 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.