



Technical Data

EZ³® 3200 Fine (Formerly SC-00076)

SHOTCRETABLE/SELF FLOW/PUMPABLE LOW CEMENT CASTABLE

Recommended Service Temperature	3200°F
Water Required for Mixing :Self Flow.....	5.5 - 6.5%
:Pumpable and Shotcretable.....	5.0 - 6.0%*
:Vibrated, External or Internal Vibration.....	4.5 - 5.5%
Material Required Per Ft ³ :Self Flow	160-166 lb
:Shotcreted (includes 5% rebound).....	168-174 lb
:Vibrated, External or Internal Vibration.....	160-165 lb
Packaging.....	55 lb bag

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	165-171	-0.2 to 0.0	1200-1800	5000-10000	11 - 14	-----	5 - 10
1500	164-170	-0.2 to 0.0	1100-1500	5000- 9000	15 - 17	18.2	6 - 9
2000	167-171	-0.3 to 0.1	1500-1900	7000-11000	16 - 18	18.8	-----
2550	164-168	0.1 to 0.8	1800-2600	8000-12000	18 - 20	17.0	-----
2910	160-166	-0.5 to 0.5	1800-2400	10000-14000	15 - 17	-----	-----

SHOTCRETED

220	155-160	-----	1250-2250	5000-9500	16-20	-----	5 - 9
1500	152-157	-0.3 to 0.0	500-1500	3700-8200	20-24	-----	5 - 9
2000	155-160	-0.6 to -0.2	850-1850	3000-7500	19-23	-----	-----
2550	151-156	0.3 to 0.7	900-1900	4000-8500	21-25	-----	-----
2910	145-150	1.2 to 1.6	750-1750	4500-9000	21-25	-----	-----
3000	144-149	0.8 to 1.2	1000-2000	6000-10500	20-24	-----	-----

VIBRATED

220	172-176	-----	1800-2500	12000-16000	8 - 11	-----	4 - 9
1500	170-174	-0.4 to 0.0	1700-2200	10000-16000	11 - 14	-----	4 - 7
2000	170-175	-0.6 to -0.2	1800-2500	14000-18000	12 - 15	-----	-----
2500	167-171	0.2 to 0.6	2100-2800	14000-18000	14 - 17	-----	-----
2910	163-169	0.4 to 1.0	2300-2800	14000-18000	14 - 17	-----	-----

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

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	75.9%
SiO ₂	19.2
Fe ₂ O ₃	0.9
TiO ₂	2.1
CaO	1.5
MgO	0.2
Alkalies	0.1

HOT MODULUS OF RUPTURE: (lb/in²)

Temp°F	Pour Cast	Shotcreted	Vibrated
1500	2800-3200	-----	2800-3800
2000	1750-2875	3000-3700	2800-4000
2550	500- 550	450- 500	-----

This data represents average properties obtained from commercial production lots and should not be considered guaranteed specifications. RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

3/12/2004 is the date this data sheet was published. Check with your RESCO sales office to make sure you have a current data sheet, since this technical data may have changed.

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