



Technical Data

EZ[®] 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 ³ | :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 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 | 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 ₂ O ₃ | | 63.3% |
| SiO ₂ | | 32.3 |
| Fe ₂ O ₃ | | 0.9 |
| TiO ₂ | | 1.7 |
| CaO | | 1.5 |
| MgO | | 0.1 |
| Alkalies | | 0.2 |

HOT MODULUS OF RUPTURE:(lb/in²)

| | <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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

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.

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