



PRODUCT DATA

Brand Name: RESCOMAG 90PC Castable

Description: A 90% MgO basic castable that can be installed using vibration casting, pumping, and shotcrete methods.

Typical Water Required for Mixing :

| | |
|----------------------|---------------|
| Vibration Cast | 4.5 to 5.0% |
| Pump Cast | 5.75 to 6.25% |

| <u>Bulk Density (lb/ft³)</u> | <u>Vibration Cast</u> | <u>Pump Cast</u> |
|---|-----------------------|------------------|
| After 300°F (149°C) | 182 | 182 |
| After 2460°F (1349°C) | -- | 189 |
| After 2950°F (1621°C) | 182 | -- |
| <u>Cold Crushing Strength (lb/in²)</u> | | |
| After 300°F (149°C) | 16,000 to 18,000 | 5000 to 8000 |
| After 2460°F (1349°C) | -- | 1500 to 2000 |
| After 2950°F (1621°C) | 4500 to 6000 | -- |
| <u>Modulus of Rupture (lb/in²)</u> | | |
| After 300°F (149°C) | 1900 to 2500 | 700 to 900 |
| After 2460°F (1349°C) | -- | 500 to 750 |
| After 2950°F (1621°C) | 200 to 400 | -- |
| <u>Hot Modulus of Rupture (lb/in²)</u> | | |
| At 1500°F (816°C) | -- | 425 to 575 |
| At 2300°F (1260°C) | -- | 300 to 500 |
| <u>Permanent Linear Change (%)</u> | | |
| After 2460°F (1349°C) | -- | -0.3 to 0.0 |
| After 2950°F (1621°C) | -0.2 to +0.2 | -- |
| <u>Typical Chemical Analysis (%)</u> | | |
| MgO | 89.3 % | |
| Al ₂ O ₃ | 0.7 | |
| SiO ₂ | 4.3 | |
| Fe ₂ O ₃ | 0.9 | |
| CaO | 1.7 | |
| Others | 3.1 | |

Standard Packaging: 72 bags per pallet ; 55 lb bags (Bulk Packaging Available)

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 RESKO sales representative or RESKO website to determine you have the current sheet.

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