



PRODUCT DATA

Brand Name:

REF RAM 870FG-M

Description:

Phosphate Free, Fine Grain, High Alumina, High Quality Patching Refractory possessing volume stability. Resistant to metal penetration with excellent density. Grain structure allows for this veneering. Workability consistent with use in some patching applications.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3350°F (1843°C)

Bulk Density (pcf)

| | | |
|---------------------|-----|---------------------------|
| After 250°F (121°C) | 178 | (2.85 g/cm ³) |
|---------------------|-----|---------------------------|

Modulus of Rupture (psi)

| | | |
|-----------------------|------|---------------------------|
| After 250°F (121°C) | 1000 | (70 kg/cm ²) |
| After 1500°F (815°C) | 2400 | (168 kg/cm ²) |
| After 2500°F (1371°C) | 1800 | (126 kg/cm ²) |

Permanent Linear Change (%)

| | |
|-----------------------|-------|
| After 250°F (121°C) | -0.03 |
| After 1000°F (538°C) | +0.2 |
| After 2500°F (1371°C) | +0.3 |

Typical Chemical Analysis (%)

(Calcined Basis)

| | |
|---|------|
| Alumina (Al ₂ O ₃) | 79.8 |
| Silica (SiO ₂) | 16.9 |
| Titania (TiO ₂) | 1.4 |
| Iron Oxide (Fe ₂ O ₃) | 0.9 |
| Lime (CaO) | 0.2 |
| Magnesia (MgO) | 0.4 |
| Alkalies (Na ₂ O+K ₂ O) | 0.4 |

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The properties shown on this data sheet represent typical average results 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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08/09/19 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.

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