



# PRODUCT DATA

**Brand Name:**

**RESCOMAG™ 85**

**Description:**

RESCOMAG 85 is a burned magnesite-spinel kiln liner made of high purity, raw materials and a high content of synthetic spinel grain. RESCOMAG 85 exhibits exceptionally good thermal shock and spall resistance and volume stability at high temperatures. RESCOMAG 85 is an ideal liner for the upper and lower transition zones of rotary cement kilns.

Physical properties shown are averages based on standard brick sizes.

ASTM test methods used where applicable

**Bulk Density (pcf)**

As Received 178 (2.85 g/cm<sup>3</sup>)

**Cold Crushing Strength (psi)**

At 70°F (21°C) 4340 (305 kg/cm<sup>2</sup>)

**Modulus of Rupture (psi)**

At 70°F (21°C) 890 (62.6 kg/cm<sup>2</sup>)

**Permanent Linear Change (%)**

After 2500°F (1400°C) +1.8

**Apparent Porosity (%)**

As Received 17.8

**Typical Chemical Analysis (%)**

(Calcined Basis)

Magnesia (MgO) .....	82.0
Silica (SiO <sub>2</sub> ) .....	0.5
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	15.0
Iron Oxide+Titania (Fe <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> ) .....	1.1
Lime (CaO) .....	1.4

**Brand Code:** 6776

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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