



PRODUCT DATA

Brand Name: R-MAX PC

Description: Pumpable, Low Cement Castable With Maximum Erosion Resistance
Can also be vibration cast or shotcreted using Resco SC-1 Additive.

Maximum Service Temperature 3200°F (1760°C)

Typical Water Required for Mixing :
Pump Cast 6.5%

Bulk Density (lb/ft³)
After 220°F (105°C) 164 2,624 (kg/m³)
After 1500°F (815 °C) 161 2,576 (kg/m³)

Cold Crushing Strength (lb/in²)
After 1500°F (815°C) 10,000 to 15,000 700 to 1050 (kg/cm²)

Permanent Linear Change (%)
After 1500°F (815 °C) 0.0 to -0.3

Thermal Conductivity (K Factor)
Mean Temperature: BTU/ft²/Hr/°F/in. W/mK
1000°F (540°C) 14.5 2.10
1500°F (815°C) 14.8 2.14
2000°F (1095°C) 15.1 2.18

Erosion Loss using ASTM C704 Method
After 1500°F (816°C): Less than 8.0 cc
(Typical: Less than 6 cc)

Typical Chemical Analysis (%)

Al ₂ O ₃	71.2 %
SiO ₂	24.1
Fe ₂ O ₃	1.3
TiO ₂	1.5
CaO	1.7
Alkalies	0.2

Standard Packaging: 72 - 55 lb bags per pallet

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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09/16/09 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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