



PRODUCT DATA

Brand Name: RESCOBOND 90

Description: Silica-free, 93% alumina, chemically bonded castable that can be installed using vibration casting only. After final set, this unique castable can be heated without the traditional controlled heating schedule.

Maximum Service Temperature 3200°F (1760°C)

Typical Water Required for Mixing :
Vibration Cast 5.0 %

Bulk Density (pcf)
After 1500°F (815°C) : 178 (2848 kg/m³)
After 2910°F (1600°C) : 176 (2816 kg/m³)

Cold Crushing Strength (psi)
After 1500°F (815°C) : 8000 (560 kg/cm²)

Modulus of Rupture (psi)
After 1500°F (815°C) : 2800 (196 kg/cm²)

Permanent Linear Change (%)
After 1500°F (815°C) : 0.0 to -0.3
After 2910°F (1600°C) : 0.0 to +0.4

Erosion Loss using ASTM C-704 Method
After 1500°F (816°C) : < 6 cc (typical)

Typical Chemical Analysis (%)
Al₂O₃ 92.6 %
SiO₂ 0.3
CaO + MgO 4.1
Alkalies 0.1
P₂O₅ 2.9

Standard Packaging: 55 lb bags; 72 bags per pallet (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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02/27/08 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

Penn Center West, Building 2 - Suite 430, Pittsburgh, PA, 15276 Phone: 888-283-5505