



PRODUCT DATA

Brand Name: FURNACUBED™ 50

Description: A pumpable, 45% alumina low-cement castable that offers excellent resistance to alkalis. It contains a non-wetting agent for aluminum contact, and it can be installed via vibration casting, pumping, and shotcreting methods.

Maximum Service Temperature 2200°F (1200°C) for aluminum non-wetting applications
2800°F (1540°C) for all other applications

Typical Water Required for Mixing :
For Vibration Casting 5.5%
For Pumping 6.0%

Bulk Density (lb/ft³)
1500°F (815°C) 144 (2304 kg/m³)

Modulus of Rupture (lb/in²)
1500°F (815°C) 1200-1700 (84-119 kg/cm²)

Cold Crushing Strength (lb/in²)
1500°F (815°C) 6,000-10,000 (420-700 kg/cm²)

Permanent Linear Change (%)
1500°F (815 °C) 0.1 to -0.1

Erosion Loss
Using ASTM C-704 Method : Less than 10 cc

Typical Chemical Analysis (%)

Al ₂ O ₃	42.5%
SiO ₂	48.7
Fe ₂ O ₃	0.7
CaO/MgO	1.5
TiO ₂	1.2
Alkalies	1.8
ZrO ₂	0.3
Other	4.9

Standard Packaging: 55 lb bag; 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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