



Low Cement Castables

Cast Data

VIBROCAST 87 AS

VIBROCAST 87AS is a 87% alumina, ultralow cement castable with good flow under vibration. This product was formulated for the demanding precast applications in the steel industry, but can be used in a variety of high temperature applications. This product should be installed by vibration casting methods only.

% water added to cast, by weight: 5.5% (typical)

Maximum Service Temperature: 3200°F (1760°C)

Bulk Density:

After 220°F (105°C): 181 lbs/ft³ (2896 kg/m³)

After 1500°F (815°C): 180 lbs/ft³ (2880 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C): 4000- 8000 psi (280-560 kg/cm²)

Permanent Linear Change (%):

After 1500°F (815°C): 0.0 to -0.3

Erosion Loss using ASTM C-704 Method:

After 1500°F (815°C): 8 cc (typical)

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies
87.0	7.5	1.1	3.4	0.8	0.1	0.1

Standard Packaging: 72-55 lb. 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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