

HEATCRETE 26-ES AL
ALUMINUM RESISTANT
HIGH STRENGTH CASTABALE

PHYSICAL PROPERTIES

Maximum Service Temperature	2600°F
ASTM C-401	Class C
Lbs. Required Dry Mix Per Cu. Ft.	133 lbs.
% Water by Weight Required for Casting	Approx. 10 – 12%
Bulk Density After Drying at 230°F	136 lbs./cu.ft.
MOR After Drying at 230°F	1,000 – 1,500 psi

Cold Crushing Strength

After Drying at 230°F	5,000 – 7,000 psi
After Heating to 1500°F	2,500 – 4,500 psi

Abrasion Loss (ASTM C-704)

After Drying at 230°F	8 – 14 cc
After Heating to 1500°F	12 – 17 cc

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.4%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	38.6%
Alumina	[Al ₂ O ₃]	45.5%
Iron Oxide	[Fe ₂ O ₃]	1.3%
Lime	[CaO]	9.4%
Titania	[TiO ₂]	1.5%
Other		3.7%

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./°F/IN.

At 500°F	5.6
At 1500°F	6.2

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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