

PRODUCT

HEATCRETE 24-ESC

**EXTRA STRENGTH CASTABLE
COARSE AGGREGATE**

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2400°F
ASTM C-401	Class B
Lbs. Required Dry Mix Per Cu. Ft.	128 lbs.
% Water by Weight Required for Casting	Approx. 12%
Bulk Density After Drying at 230°F	137 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	6000 - 10000 psi
MOR After Drying at 230°F	1050 - 1500 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	Negligible
After Heating to 2300°F	0.0 to -0.8%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	41.8%
Alumina	[Al ₂ O ₃]	39.2%
Iron Oxide	[Fe ₂ O ₃]	4.0%
Lime	[CaO]	11.4%

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

At 500°F	5.8
At 1000°F	6.1
At 1500°F	6.4

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

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MT. SAVAGE

SPECIALTY REFRACTORIES COMPANY • Pittsburgh, Pa. 15127 •