

PRODUCT

**SAVAGE RAM 85T**  
HIGH ALUMINA, PHOSPHATE BONDED  
TROWELING / PATCHING PLASTIC

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3300°F
Material Required per Cu. Ft.	157 lbs./cu.ft.
Bulk Density After Drying at 230°F	141 lbs./cu.ft.
Hot MOR at 1500°F	1700 – 2300 psi
Hot MOR at 2550°F	500 – 1000 psi
Cold Crushing Strength After 1500°F	2000 – 3000 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	-0.3 to -0.7%
After Heating to 1500°F	+0.0 to +0.2%
After Heating to 2550°F	0.0 to +0.5%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	9.2%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	84.0%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	1.0%
Phosphorous Pentoxide	[P <sub>2</sub> O <sub>5</sub> ]	3.4%
Titania	[TiO <sub>2</sub> ]	1.8%
Trace Minerals		0.6%

THERMAL CONDUCTIVITY (BTU/sq.ft./hr/°F/in.)

At 500°F	10.0
At 1500°F	9.1
At 2000°F	9.0

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

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