



**WAM® AL II**  
**Technical Data**  
**--Confidential--**

Classification	Aluminum Resistant Standard Cement Castable
Installation Method	Vibration Casting
Typical Water Addition for Vibration Casting (%)	20
Approximate Amount Needed for Estimating (pcf)	120

	Density (pcf)	Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Permanent Linear Change (%)
after 230 °F	129	1030	8630	<0.01
after 1500 °F	111	500	3500	-0.1
after 2500 °F	113	630	2610	-0.4
at 1500 °F	NA	720	NA	NA
at 2000 °F	NA	420	NA	NA

Thermal Conductivity °F	BTU-in/hr-ft <sup>2</sup> -°F	°C	W/m-°C
750	5.3	400	1.02
1470	4.8	800	1.02
2200	5.3	1200	1.01

Calculated Chemical Analysis (%)	
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	66.31
Silicon Dioxide (SiO <sub>2</sub> )	0.28
Calcium Oxide (CaO)	24.86
Titanium Oxide (TiO <sub>2</sub> )	<0.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.14
Magnesium Oxide (MgO)	0.18
Total Alkali (K <sub>2</sub> O + Na <sub>2</sub> O)	0.23
Other	8.00

*Data on this table represents typical properties, and cannot be used for specification purposes.*