



Technical Data Sheet

Bulk Density	112 lb/ft ³	(1800 kg/m ³)
Cold Crushing Strength	3800 psi	(26.2 MPa)
Maximum Service Temperature	2912 ^o f	(1600 ^o c)
Average Thermal Conductivity	4.85 BTU-in/ft ² ,hr, ^o f	(0.7 W/mk)
Permanent Linear Change at 1832 ^o f (1,000 ^o c)	0.1 %	
Acid Resistance Loss by Weight	0 %	
Abrasion Resistance	High	
Gas Permeability	0%	
Sweep Test Lost by Weight	0.7%	
Freeze/Thaw Weight Loss	1.75%	
Packaging	50 lbs/plastic pail	

Thermocrete[®] Ceramic Flue Sealant is an alumina-silica base castable refractory extensively tested by Warnock Hersey / Intertek Testing Services (#J99001572-231) in 1999 and reevaluated, listed and labeled by Guardian Fire Testing Laboratories (GL90811/FI19311) in 2011 to the strict standards of UL 1777 & ULC-S635. CFS is produced to B.S. 4207 and tested by the Ceramics Institute/CERAM Research (NAMAS) to B.S. 1902. Thermocrete products are accepted for use in **82** countries worldwide.

American Standard for Testing and Materials (ASTM) & Underwriters Laboratory (UL)

ASTM C20- Apparent Porosity	UL 1777 Section 4- Components
ASTM C113- Permanent linear change	UL 1777 Section 13- General
ASTM C133- Cold Crushing Strength	UL 1777 Section 22- Strength Tests
ASTM C24- Refractoriness PCE	UL 1777 Section 23- Sweep Tests
ASTM C24 & ASTM C113- Max Temp	UL 1777 Sec 28- Resistance to Acids
UL 1777-Section 1- Scope	UL 1777 Sec 29- Freeze/Thaw Cycle
UL 1777-Section 2- General	UL 1777 Section 31- Marking
UL 1777-Section 3- Glossary	UL 1777 Sec 32- Inst. & Maint.
CAN/ULC-S635-2000, "Standard for Lining System for Existing Masonry or Factory-Built Chimneys and Vents"	

(CICS) Certificate Number 93158, to the requirements of American National Standards Institute (ANSI), and American Society for Quality Control (ASQC) Q 9002, EN-ISO-9002. (UK OPS)

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