

Your safety is our business!



**AAA Chimney Corp
dba 1 Hour Chimney**

www.1hourchimney.com | 1-888-652-4466



At 1 Hour Chimney, we are dedicated to providing our clients with prompt, professional and friendly service. Our goal is to stay in touch with any changes in our industry, so that we can always offer you the latest and most current information and services.

Our mission is "to serve our customers with the extensive knowledge and expertise we have gained in our industry, while continually offering them the finest in customer service." Give us a call today and allow us to answer any questions or concerns that you may have.

Guaranteed Quality: All our work is guaranteed... period. If you are not satisfied, our job is not finished.

Experience: 1 Hour Chimney has serviced thousands of customers.

This alone speaks volumes about our service. People have us back, year after year. Improved techniques, learned through years of experience, insure fast and consistent service. 1 Hour Chimney is a family business which started in 1948.

Price: Our prices are a great value. When you consider the quality of the work, you'll agree we are the hands down choice number one.

1 Hour Chimney understands your need for great service at affordable rates.

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Credentials



Accredited and A+ rated by Better Business Bureau



Thermocrete Dealer
(Residential, Commercial and Industrial Installer)



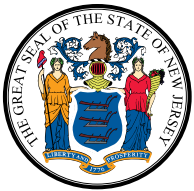
Triple Certified by the Chimney Safety Institute of America



National Chimney Sweep Guild



National Fire Protection Association



State of N.J. Department of Labor and Workforce Development

N.J. Public Works Contractor Registration Act

State of N.J. Department of the Treasury
(Division of Property Management and Construction)
Preapproved for Aggregate Amount \$200,000



National Association of Professional & Executive Women



Thermocrete Ceramic Flue Sealant

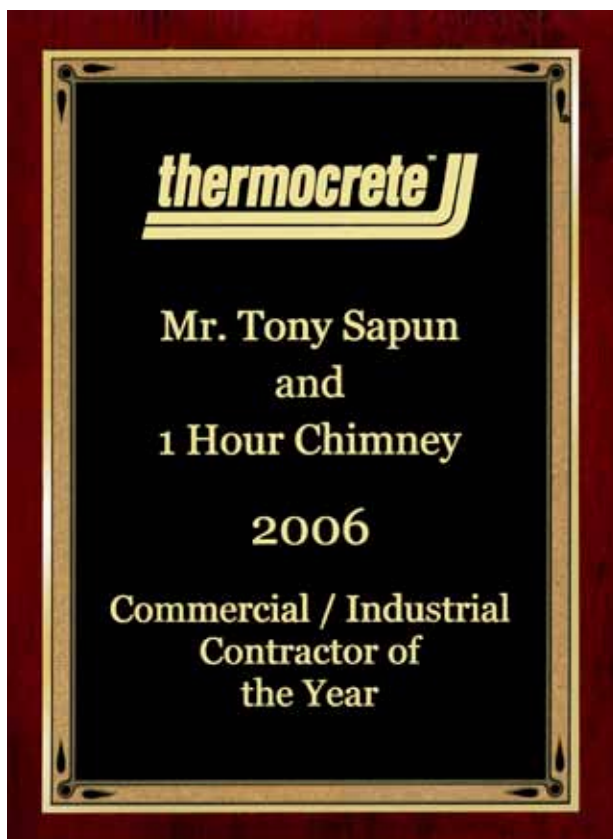
For Commercial Applications, Historic Homes and Fireplaces

Thermocrete Ceramic Flue Sealant is the most reliable solution for chimney restoration and chimney repair.

The Thermocrete process coats the inside of the chimney from top to bottom with a highly durable ceramic sealant. It is cost effective and ideal for use in commercial applications serving gas and oil, and also Historic Homes and Fireplaces.

Thermocrete coating seals all holes and cracks, strengthens the chimney, and increases efficiency without downsizing the flue significantly.

Make Thermocrete your choice for chimney repair and chimney restoration.



What is Ceramic Flue Sealant?

Thermocrete Ceramic Flue Sealant (CFS) is a chimney restoration and chimney repair product designed for all types of masonry chimneys. The patented Ceramic Flue Sealant material:

- Withstands extremely high temperatures
- Eliminates the need to downsize the flue substantially
- Keeps costs contained, even for multiple-flue chimneys
- Increases structural stability
- Withstands corrosive elements that damage many types of liners

Thermocrete Ceramic Flue Sealant is applied in a semi-liquid form, providing excellent adhesion to masonry surfaces, coating the entire interior surface of the flue, and filling gaps in the masonry with a fireproof seal. Multiple layers of the ceramic material are applied, forming a complete and durable chimney sealant, unsurpassed in the industry.

With our advanced spray technology, several layers of ceramic flue sealant are sprayed inside each flue. This coating seals all cracks, strengthens the chimney flue or lining, and increases efficiency without making it significantly smaller.

The flue capacity must be sufficient to handle the volume of exhaust from the furnace. Reducing the flue size can result in smoke spilling into the home, or worse yet, allowing carbon monoxide to enter the home, a potentially lethal situation.

Thermocrete products were tested in 1999 by Warnock Hersey to the strict standards of UL 1777. Rigorous testing guarantees consistent product quality and durability.

**Thermocrete comes with lifetime
transferable warranty**



Thermocrete application on commercial chimneys



Commercial flue is inspected (Level 2 - Camera Inspection) by chimney professionals for chimney repair or chimney restoration.



Scaffolding is setup (if necessary) for cleaning and repairs.



The chimney top is inspected and cleaned before the repairs begin.



Thermocrete equipment and material are sent to the roof.



Roof is first protected with plywood and tarp and, all the material is evenly spread on the roof.



A professional Thermocrete Installer sprays CFS inside the flue from top of chimney.



After the job is completed, the crew cleans the roof.

Thermocrete application on commercial chimneys

Commercial chimneys with round sectional clay liners.



BEFORE

These sectional clay liners clearly show deterioration. Large areas of the inside surface have chipped off.

AFTER

Ceramic Flue Sealant (CFS) is applied.



Thermocrete vs Stainless Steel Liner

Thermocrete:

- Size of existing flue Reduced by 5% only
- No need to open walls
- No need to brake tiles
- Minimal disruption
- Repairs fire damage and deterioration
- Ideal for Antique Restoration
- Ideal for Commercial Stacks
- Commercial boiler can be turn on by the end of the working day.



-VS-

Stainless Steel:

- Significant reduction of the flue (up to 35 %)
- Structure of the chimney may be damaged while opening the chimney wall to connect to the existing breaching
- Commercial boilers can not be turned on for days (until the work is completed)



Thermocrete™ Ceramic Flue Sealant Technical Data Sheet

Bulk Density	1800 kg/m³
Cold Crushing Strength	3800 psi
Maximum Service Temperature	1600oc
Average Thermal Conductivity	0.7 w/ (m k)
Permanent Linear Change at 1,000oc	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).

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.

(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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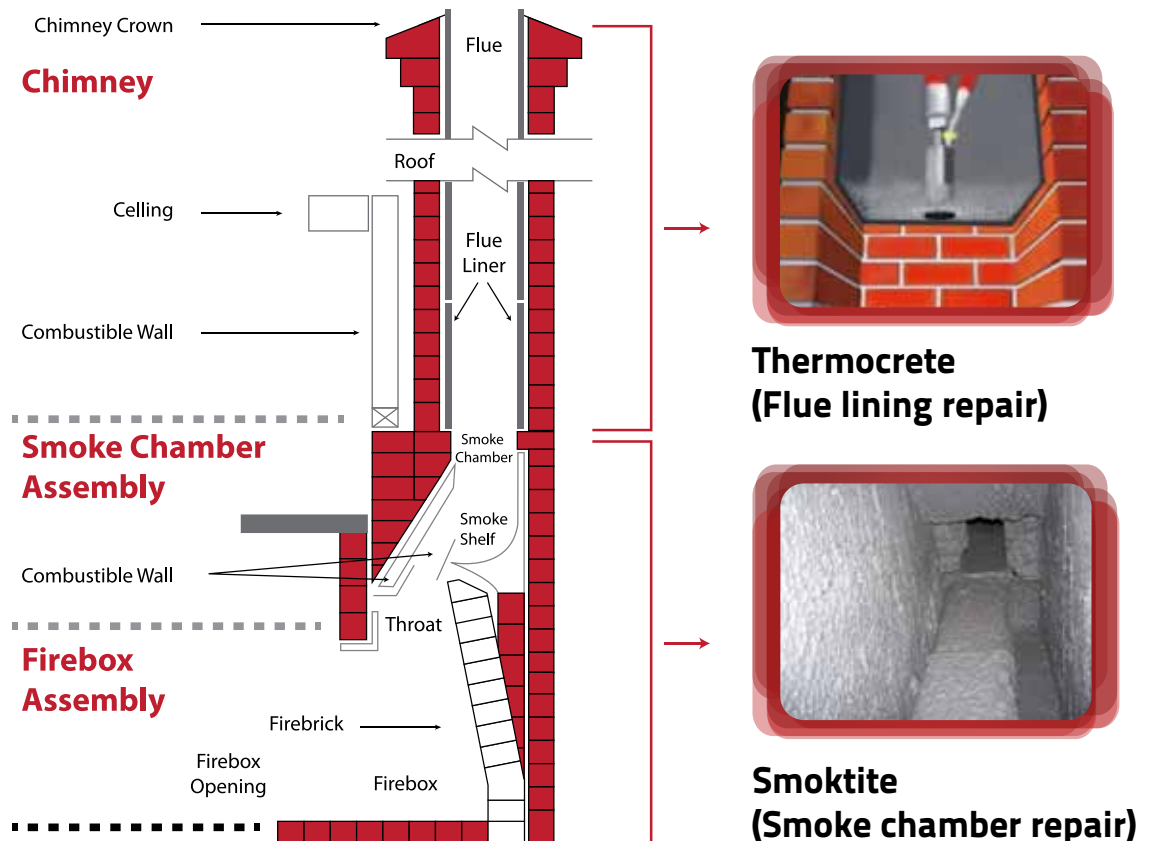


Thermocrete is also highly recommended for Fire Place repairs.

When Fireplace flue is deteriorated or cracked, according to NFPA (National Fire Protection Association) it must be repaired or relined. Relining the Fireplaces with stainless steel lining automatically reduces the flow by at least 40%, in which case you need to install an Exhausto Fan on top of the chimney to make up for the size reduction.

Thermocrete CFS can repair these cracks with only 5% reduction.

Thermocrete / Smoktite is also ideal product for repairs of the cracks within the Fireplace chamber. Recent code modifications require chimney professionals to focus their attention on this commonly overlooked area of the system due to its proximity to combustibles for the safety of the occupants.



How Thermocrete is applied on residential chimneys

A fireplace is inspected by a chimney professional for chimney repair or chimney restoration



The fireplace chimney top is inspected, and the fireplace chimney cleaned before the fireplace repair and chimney restoration begins.



Ceramic Flue Sealant (CFS) is delivered to the site. The CFS will play an important role in the repair of chimney damage..



Before installation of the Thermocrete CFS, the fireplace opening is sealed. This is the first part of fireplace repair.



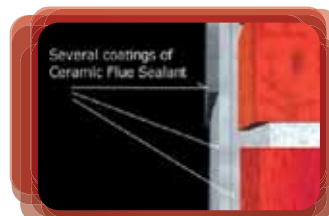
A professional Thermocrete installer sprays CFS inside the flue from the top of the chimney.



Thermocrete CFS is poured into a hopper from which it is pumped to the fireplace top to begin the repair.



A graphical representation of a Thermocrete CFS application as part of the fireplace repair. Several layers of Thermocrete CFS are sprayed inside. The coating seals all small holes and cracks, and strengthens the chimney.





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