

### MANUFACTURER:

CeCure Chimney Systems, LLC  
C/O SaverSystems  
Richmond, IN 47374  
800-860-6327  
Fax: 765-935-4999  
www.chimneysaver.com

### DESCRIPTION

Cerfractory Foam Smoke Chamber Sealant & Restoration System is a high performance refractory coating, designed for professional spray installation to streamline, strengthen and insulate masonry fireplace smoke chambers. The product is non-water soluble, listed to UL Subject 2505 and meets ASTM C199 as a "Super Duty" (2910F) refractory mortar.

### USES

Cerfractory Foam Smoke Chamber Sealant is used to smooth jagged edges, corbels and reshape fireplace smoke chambers for improved safety and performance. Once properly installed, Cerfractory Foam Smoke Chamber Sealant meets all major code (IRC & NFPA 211) requirements for parging and smoothing of corbelled smoke chamber walls in residential fireplaces. It is also compatible for use over Chamber Coat (cured or uncured).

### ADVANTAGES

- Insulates
- Improves Performance
- Improves Strength

### DIRECTIONS FOR USE

Please read the complete "Installation Instructions & Maintenance Instructions for HeatShield Cerfractory Foam Smoke Chamber Sealant & Restoration System" which are included in each pail, prior to installation.

**Safety:** Use protective gloves and proper eye and respiratory protection. Refer to SDS for this product for more information.

Prior to installation of HeatShield Cerfractory Foam into a smoke chamber of a fireplace, the smoke chamber of the fireplace must be thoroughly cleaned to remove all tar glazed creosote and soot from the internal smoke chamber walls. If this cannot be accomplished by conventional sweeping, the use of rotary chimney sweeping equipment is recommended.

Thoroughly check smoke chamber for cracked, loose, missing bricks, mortar, obstructions or other materials that could inhibit the correct installation of the HeatShield Cerfractory Foam Smoke Chamber Restoration System.

### MIXING & INSTALLATION

**Note:** HeatShield Cerfractory Foam powder is a blend of dry ingredients of various particle sizes, packaged in 25 lb. containers. Because settling occurs during shipment, it is important to mix full containers only.

For best results, always start with a clean mixer and tools. Mix outdoors to protect interior finishes from dust. The use of a drop cloth or tarp is recommended to protect the surrounding area from inadvertent spills or splatter.

**Note:** Once Cerfractory Foam cures, it will damage any non-target surfaces. Clean inadvertent spray or spills immediately with warm water and mild detergent.

**Step 1** - Remove damper plate if possible. Cover firebox floor and hearth area.

**Step 2** - Add about 3&1/2 quarts of clean water to mixing tub. Carefully add entire contents of the 25 lb. Cerfractory Foam dry powder container. Mix with drill and paddle mixer for several minutes until all powder is wet. Let mixture stand for about five to seven minutes. After 'standing period' mix for an additional few minutes until mixture is a thick mortar-like consistency. Add small amounts of additional water (1/8 to 1/4 quart) at a time as needed and re-mix until a thick "pancake batter type" consistency is achieved.

**Step 3** - Place mix into HeatShield Smoke Chamber Sprayer (or equivalent) tank; attach tank lid and compressor air lines according to sprayer instructions.

**Step 4** - Using the sprayer regulators for each; adjust both the tank pressure and gun atomizing pressure to about 20 psi each to start if using the HeatShield Smoke Chamber Sprayer. Pressures can be adjusted slightly up or down on each to achieve desired results (or follow specific recommendations from sprayer manufacturer). Note: Always follow spray equipment manufactures guidelines for use, safety precautions and clean-up.

**Step 5** - Lightly dampen surfaces to which Cerfractory Foam is to be applied just prior to installing material. No standing water should be present.

**Step 6** - Spray Cerfractory Foam into any larger cracks, gaps or voids. Then spray material over entire smoke chamber, starting at the top of the smoke chamber next to the flue liner and work down, apply in layers to achieve desired results and thickness. Avoid over-spray on non-target areas. Apply to all four sides of the smoke chamber to create a self-supporting dome when material cures. Remove any overspray or material that may have fallen into damper frame, before material hardens.

**Step 7** - Once material has been placed, a Tampico masonry brush can be used to smooth out surfaces if needed.

**Step 8** - Install a rain cap per NFPA 211 (standard for Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances), to protect the repaired smoke chamber and chimney interior from excessive moisture.

### CURING

Finished repairs should be allowed to stand for 24 hours with natural air flow. Protect repairs from freezing until dry. In extreme cold weather (especially on exterior chimneys) it's advisable to plug the chimney just above the smoke chamber (foam rubber or equivalent works well). Leave damper off or in the open position to allow warm room air to enter the smoke chamber. After the 24 hour initial "air" curing the repair should be "conditioned" by burning a "Durafume" type log or three to four small (two to three inch diameter) wood logs. After the conditioning fire, the repaired smoke chamber is ready for normal use. Advise homeowners to keep fires small for an additional five days as a precaution.

Excessive temperatures could create steam if any residual moisture is still present in repair. Depending on the application and curing conditions small surface cracks or crazing may occur after curing or use and are of no functional concern.

### CLEAN UP

Thoroughly rinse spray equipment, mixing containers and tools with water immediately after use.

### CAUTIONS

Avoid contact with eyes and skin. Avoid breathing dust. Wear goggles, gloves and protective clothing to prevent skin contact. Wear NIOSH approved respirator for dusts including silica in compliance with OSHA, STD 29.CFR 1910.134. California Proposition 65: this product contains crystalline silica, a chemical known to the State of California to cause cancer.

### FIRST AID

**If inhaled:** Ensure fresh air breathing. Allow the victim to rest.  
**If swallowed:** Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

**For skin contact:** Gently wash with plenty of soap and water.

**For eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

For additional information for this product, consult the Safety Data Sheet available at [www.chimneysaver.com](http://www.chimneysaver.com).

### 20 YEAR LIMITED WARRANTY

This warranty shall apply to the homeowner for 20 years when used to repair and seal defects in otherwise sound masonry fireplace smoke chamber interiors for residential natural draft fireplaces, provided that they continue to own the home where the HeatShield Cerfractory Foam Smoke Chamber Sealant was originally installed. In all events, if (the "Purchaser") sells their home, (CeCure) will honor the warranty for a period of 5 years from the date of purchase.

The HeatShield Cerfractory Flue Sealant warranty is subject to the following conditions: 1) installation of the material must be done in accordance with manufacturer's written installation instructions; 2) the repaired fireplace smoke chamber interior be cleaned (plastic flue brushes only) and inspected on an annual basis by an experienced chimney professional, (i.e., at intervals of no more than 12 months each, commencing from the date of purchase), who must initial and date the appropriate section on the reverse side of this card upon completion of such yearly maintenance; 3) corrosive chimney cleaners must not be used; 4) driftwood, wood or wood pellets containing salt, preservative treated lumber, plastic, or household trash must not be burned in the fireplace; 5) the chimney must have a chimney (rain) cap; 6) In the case of a chimney fire, the repaired smoke chamber and chimney must be inspected and approved by a nationally certified chimney sweep or other qualified chimney professional before reuse. See "Warranty Card" included with product for complete details.

### PACKAGING

Available in 25 lb., 3.5-gallon pails, 60 per pallet.

### TRANSPORT AND HANDLING

Cerfractory Foam Smoke Chamber Sealant is not considered hazardous under department of Transportation (DOT) regulations. Pallets should not be stacked. Keep dry, store at room temperature.

### CLEANING AND MAINTENANCE

Clean smoke chamber as required with plastic or other stiff bristle (non-metallic) brush. Inspect on a regular basis to insure product is performing its intended function. See complete Maintenance Instructions, which are included in each pail.

### PHYSICAL PROPERTIES

COLOR ..... Gray  
ODOR ..... Earthy odor  
SHELF LIFE ..... 36 months when unopened