

### MANUFACTURER:

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### DESCRIPTION

Chamber Coat Smoke Chamber Restoration System is a high performance refractory coating, designed for professional trowel/parge application 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 "Medium Duty" (2550F) refractory mortar.

### USES

Chamber Coat is used to smooth jagged edges, corbels and reshape fireplace smoke chambers for improved safety and performance. Once properly installed, Chamber Coat 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 to fill larger holes and cavities before spray with Cerrefractory Foam Smoke Chamber Sealant.

### ADVANTAGES

- Insulates
- Improves Performance
- Improves Strength

### DIRECTIONS FOR USE

Please read the complete "Installation Instructions & Maintenance Instructions for Chamber Coat Smoke Chamber 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 Chamber Coat 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 Chamber Coat Smoke Chamber Restoration System.

### MIXING & INSTALLATION

Note: Chamber Coat powder is a blend of dry ingredients of various particle sizes, packaged in 20 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 Chamber Coat cures it will damage any non-target

surfaces. Clean inadvertent spray or spills immediately with warm water and mild detergent.

**Step 1** - Add four to five quarts of clean water to mixing tub. Carefully add entire contents of the 20 lb. Chamber Coat dry powder container. Mix with drill and paddle mixer to a mortar-like consistency. Add small amounts of additional water if needed to achieve desired consistency. Proper consistency is reached when a 'handful-sized' ball of mix is tossed up into the air about one foot and is caught with fingers held loosely apart and mix forms slight protrusions between fingers.

**Step 2** - Dampen surfaces to which Chamber Coat is to be applied just prior to installing material. No standing water should be present.

**Step 3** - Start at the top of the smoke chamber next to the flue liner and work down, apply in layers by tossing material onto the surface by hand or trowel (good suction bonding is created when material is "slapped" into place). Apply from one inch to several inches thick to achieve desired results. Apply to all four sides of the smoke chamber to create a self-supporting dome when material cures.

**Step 4** - Once material has been placed, a masonry trowel can be used to smooth out flat surfaces. A straight sided jar or bottle can be used to radius the corners. Do not 'over work' the material, as this may break the suction bond.

**Step 5** - 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 "Duraflame" 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 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 substance known to the State of California to cause cancer.

### FIRST AID

**If inhaled:** Allow victim to breath fresh air. Allow the victim to rest.

**If swallowed:** Rinse mouth. Do NOT induce vomiting.. Obtain emergency medical attention.

**For skin contact:** Wash with plenty of soap and water. Wash contaminated clothing before reuse.

**For eye contact:** Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention immediately. 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 Chamber Coat Smoke Chamber Restoration System 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 Chamber Coat Smoke Chamber Restoration System 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 20 lb., five-gallon pails, 48 per pallet.

### TRANSPORT AND HANDLING

Chamber Coat is not considered hazardous under department of Transportation (DOT) regulations. Pallets may 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 ..... 24 months when unopened