

“TSR” - Stage Three

Item AW-4012

- For professional chimney sweeps only
- Dissolves glazed creosote
- Works without requiring heat



Description:

For professional use only. It is the strongest liquid formulated to remove baked on creosote glaze without needing heat to activate. Safe to use in masonry, steel and stainless steel flues.

Performance Characteristics:

- Effective when used as directed
- Loose creosote deposits may be brushed away

Recommended Uses:

For professional use only. For use in masonry, steel, and stainless steel flues to remove stage three creosote glaze without requiring heat to activate it. May be used at temperatures 50°F or above.

Surface Prep:

Be sure chimney flue is not hot. Do not apply TSR when the day or evening temperatures will be below 50°F. TSR works best under dry and warm weather conditions. For TSR to work to its full potential, the affected surface must be properly prepared. The surface of the glazed creosote must be scored and roughened so that the TSR can effectively penetrate the creosote. This can be done by vigorously brushing with a Master Sweep flat-wire brush or using Rutland's Wizard rotary cleaning tool. Other specially designed scraping tools may be required in the hard to reach corners of a flue. Preparation of the surface is the most important step in the process.

Application:

Caution: TSR is a strong caustic much like full-strength oven and drain cleaners. TSR will burn if left on the skin. TSR should never be applied without wearing proper protective clothing and equipment including neoprene rubber gloves, respirator and goggles.

Apply Stage Three with a chemically resistant pressurized pump sprayer. We recommend the use of a 360 degree spiral spray head.

Fireplaces: Tape heavy plastic inside the firebox to collect any drips. Place rags, on the smoke shelf and base of the fireplace to collect drips. Use the hand wand applicator to treat affected areas in the firebox, smoke shelf and smoke changer. Use enough TSR to cover all glazed areas without allowing excess run-off.

Woodstoves: Remove the stove pipe and plug the thimble with rags or insulation to prevent any run-off. Tape heavy duty plastic over the opening.

Spraying from the roof: Lower the spray head down the chimney by means of the hose, or for better control, attach the spray head to your fiberglass chimney rods. Control the spray carefully. Always apply an even coat to all affected surfaces.

Spraying from below: TSR can be applied from below, but extreme caution will be needed to prevent the liquid from coming in contact with hands and eyes. Determine the exact distance to the top of the

chimney with cleaning rods and put a piece of tape on the rod just below the damper. This marker will warn you not to push the rods any further, which could result in the TSR being sprayed on the roof. Run the rods to the top of the chimney and start spraying. Work the rods downward with short up-and-down motions until reaching the smoke shelf. Turn the supply of TSR off when pausing to remove the rod sections. Use a blanket of insulation on the smoke shelf to collect any accumulation of overspray or drips.

Drying: For TSR to work effectively, it must penetrate the glaze. When the glaze appears dry and is no longer wet and shiny, adequate penetration has occurred. Adequate drying occurs either naturally or by using forced air circulation. Using natural conditions, sufficient drying may require several days, depending on the outside temperature and humidity conditions. Forced air circulation can substantially reduce the drying time. Placing a fan in the fireplace or on the smoke shelf to induce upward air circulation in the flue is helpful. Wet or damp flue walls are an indication the TSR has not yet dried to the point where it has completely penetrated the glazed surface. Under humid, cold, or wet conditions, TSR's drying time must be extended. The heating system may not be used while the TSR is drying, and this may be several days.

Additional applications: Extremely heavy build-up of creosote may require additional applications of TSR.

Final Brushing: Use a properly sized Master Sweep flat wire brush or Rutland's Wizard for a vigorous brushing of the dried surfaces. Use special scraping tools to remove stubborn deposits in hard-to-reach areas.

Neutralizing: Neutralizing has two very important functions. First, the follow-up application of Stage Two neutralizes any remaining residual TSR. Second, the application of Stage Two will start the homeowner on a preventative program to eliminate further build-up of glazed creosote.

Coverage:

Use approximately one gallon for every 20 ft of chimney.

Clean up:

Sprayer: Return any portion of unused TSR to its container. Wash out the tank and hoses with cold water. Dried TSR will crystallize and clog the valves and spray head of the spray system if not properly cleaned.

Spills inside: Clean up spills with wet absorbent material.

Spills outside: To clean up spills on a roof or elsewhere outside, immediately dilute spillage by hosing down TSR with water.

TSR & creosote mixture: To clean up a mixture of TSR and creosote, dampen the stain with water then apply Rutland Brick & Stone Cleaner. If the stain remains, use a mixture of vinegar, water and peroxide solution.

Clothing: First apply vinegar to neutralize the TSR, and then clean with soap and water.

Typical Physical Properties:

Application Temperature	Above 50°F
Weight/Gallon	9.2
Consistency	Liquid
Flashpoint	N/A
Dry Time	Varies due to humidity and temperature
Color	Yellowish
Storage/Handling	Keep container tightly closed. Do not reuse container. If it becomes frozen, warm to 75°F and shake it. It should come back in solution.

Limitations:

Do not use on hot surfaces. Corrosive to aluminum, zinc, tin and brass. Will stain brick, roofing, siding and painted surfaces.

Warranty and Limited Remedy:

This product will be free from defects in material and manufacture for a period of eighteen (18) months from date of manufacture. Rutland Fire Clay Company makes no other warranties including,

but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the Rutland Fire Clay Company product is fit for a particular purpose and suitable for user's application. If this Rutland Fire Clay Company product is defective within the warranty period stated above, your exclusive remedy and Rutland Fire Clay Company's sole obligation shall be, at Rutland Fire Clay Company's option, to replace the Rutland Fire Clay Company product or refund the purchase price of the Rutland Fire Clay Company product.

Limitation of Liability:

Except where prohibited by law, Rutland Fire Clay Company will not be liable for any loss or damage arising from this Rutland Fire Clay Company product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

CAUTIONS:

Contains sodium hydroxide (CAS #1310-73-2). Wear rubber gloves and eye protection and a NIOSH approved respirator. Wear protective clothing made from Tyvek or similar material. Avoid contact with eyes and skin. If contact with eyes, flush immediately with water. Remove contact lenses, and then flush eyes immediately for at least 15 minutes. If swallowed, do not induce vomiting. Rinse mouth, and drink several glasses milk, citrus fruit juice or water. If contact with skin, remove affected clothing. Flush skin with running water for at least 15 minutes. If skin or eyes are not flushed for 15 minutes, burning can still occur as the remaining chemical dries on the skin or in the eyes. In all cases seek medical attention immediately.

**KEEP OUT OF REACH OF CHILDREN
HARMFUL OR FATAL IF SWALLOWED
WILL BURN EYES AND SKIN ON CONTACT**