

# DEFY TROWELABLE CROWN REPAIR

## PRODUCT DATA

### DEFY Trowelable Chimney Crown Repair

**MANUFACTURER:** SaverSystems  
Richmond, IN 47374  
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www.defyinfo.com

## DESCRIPTION

DEFY Trowelable Chimney Crown Repair is a proprietary elastomeric coating that forms a flexible waterproof membrane. Product is specifically formulated to repair and protect chimney crowns from water intrusion. DEFY Trowelable Chimney Crown Repair can also be used for a variety of horizontal and vertical exterior waterproofing applications. It dries to a natural concrete/mortar appearance. DEFY Trowelable Chimney Crown Repair is an extremely long lasting and durable coating that requires no mixing or special bonding agents.

## USES

DEFY Trowelable Chimney Crown Repair can be used wherever a long-lasting exterior waterproof membrane is needed, such as chimney crowns, chimney corbels, the tops of masonry walls, including parapets, and stucco repair. Other uses include masonry window sills where bricks are laid in a soldier pattern at the base of windows.

DEFY Trowelable Chimney Crown Repair can be used as a bonding mortar to replace badly spalled brick units or for parging over brick faces that may have spalled, if remaining brick is solid. Product can be used for crack repair, surface grouting and tuck pointing.

DEFY Trowelable Chimney Crown Repair can be colored using small amounts of standard mortar dye. If dyes are used, transfer material to be colored from the original container into a clean mixing container. Before adding dye, let product stand uncovered for approximately 10 minutes to thicken. Add mortar dye one or two drops at a time, and mix with trowel or paddle mixer and drill until desired color is reached.

## BENEFITS

- Permanently flexible
- No bonding agent required
- Natural concrete/mortar look
- Ready to use
- Environmentally friendly

**Note:** Surface and air temperature should be a minimum of 45°F and a maximum of 95°F at the time of application. Do not apply if temperature is expected to drop below 45°F within a twenty-four hour period. Do not apply to frozen or frost covered surfaces. Do not apply to wet or water saturated surfaces and/or when rainfall is expected within twenty-four hours unless adequate protection with a polyethylene film, or its equivalent is provided.

**Do not freeze.**

## DIRECTIONS FOR USE

**Preparation:** Surface to be coated must be structurally sound, not loose. Surface must be clean and dry to slightly damp. Place drop cloths at base of chimney to protect roof from inadvertent spills. Brush surface to be coated with stiff poly or wire brush to remove loose particles. Lightly mist the area with clean water from a spray bottle.

**DO NOT FLOOD.**

## APPLICATION

Apply to surface with a trowel, putty knife (plastic or metal), or 1/4" square notch trowel. Spread to a uniform thickness of no less than 1/8". DEFY Trowelable Chimney Crown Repair is most effective when applied at a thickness of 1/8" - 1/4" (1" max.). Lightly mist DEFY Trowelable Chimney Crown Repair with water and smooth out trowel marks using a 4" nylon paint brush.

On large applications, complete one half of the crown at a time. Make sure the base of flue tiles are thoroughly coated. Keep container closed when not in use.

**Tip:** To produce a clean edge and protect the brick just below the crown, place duct tape completely over the face of the top course or row of brick. Tape can also be applied to the flue tile approximately 1" from base of tile to produce a clean edge for DEFY Trowelable Chimney Crown Repair. Remove tape when application is completed.

**Curing:** Temperature, humidity, thickness of application and porosity of the surface to which DEFY Trowelable Chimney Crown Repair is applied will affect the curing time of the product. For faster curing in cool weather, do not mist crown with water before application. In warmer weather, curing time will be approximately 6 to 8 hours. In cooler weather, it may take 24 to 72 hours to cure. Protect area from rain or other moisture source until cured. A plastic covering may be used for protection if rain fall is expected. If an application is exposed to a heavy rain before curing, remove any product runoff with a stiff brush and rinse with water. Thinner films such as 1/8 inch will cure faster; thicker applications will cure more slowly and require longer protection from rain.

**Clean-Up:** Remove DEFY Trowelable Chimney Crown Repair from tools immediately after each use by scrubbing with a brush and water. To clean inadvertent spills from roofs, etc., remove excess and clean remaining DEFY Trowelable Chimney Crown Repair with a stiff nylon scrub brush and water. Rinse thoroughly.

**Coverage:** At 1/8" thickness, 14-18 sq. ft. per gallon. At 1/4" thickness, 7 - 9 sq. ft. per gallon, depending on texture and porosity of surface to be coated.

## CAUTIONS

**Keep out of reach of children.** Respiratory protection is not generally required during normal use and handling. The use of protective gloves and chemical splash goggles is recommended. Wash thoroughly after handling.

**First Aid: External:** Wash skin with soap and water. Eye contact: Immediately flush with clean water for fifteen minutes. Consult a physician. For additional information, consult the Material Safety Data Sheet for this product.

## LIMITED WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. Since field conditions vary widely, the user must determine the suitability of the product for the particular use and specific method(s) of application. Due to the fact that SaverSystems has no control over surface preparation and application methods, no guarantee as to results is offered, expressed, or implied. SaverSystems warrants this product to be free from defects. SaverSystems' liability shall be limited in all events to supplying enough product to re-treat the specific areas to which defective product has been applied.

This warranty does not include the cost of labor for the application of DEFY Trowelable Chimney Crown Repair. SaverSystems shall not have any other liability including direct, incidental, or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so this limitation or exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

## PACKAGING

DEFY Trowelable Chimney Crown Repair is packaged in 2 gallon recyclable plastic containers.

### TRANSPORT AND STORAGE

DEFY Trowelable Chimney Crown Repair is not considered a hazardous material or substance under U.S. Department of Transportation (DOT) regulations.

Keep from freezing.

## PHYSICAL PROPERTIES

Color	Light gray
Composition	Elastomeric resin blend
Specific Gravity, AT 25° C	.94
Weight	7.2 lbs. per gallon
Flash Point	None
Elongation	200%
Shelf Life	18 months in original sealed container
Freeze/thaw stability	Stable up to 5 cycles

## TECHNICAL DATA

### ASTM G53:

Accelerated Weathering (QUV) 5,000 hrs. No shrinkage cracks or deterioration.

### Outdoor Exposure Test, Indiana:

No shrinkage cracks or deterioration on test chimney crowns after four years outdoor exposure.