

CROWN SAFE™

PRODUCT DATA & INSTALLATION SHEET



MANUFACTURER:

U.S. Fireplace Products, Inc.
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DESCRIPTION:

Crown Safe is a high-performing, brushable, elastic sealant, with rubber-like flexibility designed to stop water intrusion into masonry chimney crowns, roofs, and various other building surfaces. Crown Safe's fibered formula produces a clear, see-through finish which is extremely flexible and highly resistant to tears, shears, stress, and weathering. The unique properties of this product allow successful application in extreme weather, such as freezing and wet conditions. Crown Safe is a registered trademark with U.S. Fireplace Products, Inc.

APPLICATIONS:

When properly applied, Crown Safe is designed to stop water intrusion by adhering to asphalt shingles, coated steel, concrete, steel, vinyl, and other common building substrates. The unique Crown Safe formula produces a clear finish with exceptional adhesion, flexibility and resistance to tear, shear, stress, and weathering. Crown Safe is fibered for strength and designed to protect against extreme weather, such as wet and icy conditions. The semi-self-leveling, brushable grade consistency of Crown Safe allows the user to easily, and quickly apply this product. There is no primer required on most surfaces. If primer-less adhesion to a substrate is in question, a test application is recommended.

PRODUCT ADVANTAGES:

- Fibered for Strength to Stop Water Intrusion
- Applies in Any Weather Condition & Temperature
- Finishes Clear
- Superior Adhesion
- Performs in Severe Conditions, Including: High UV Levels, Extreme Heat, Acid Rain & Foot Traffic
- Cured Sealant is Mildew Resistant
- Repairs Small Cracks & Adheres to Many Different Building Substrates

LIMITED LIFETIME WARRANTY: If when applied according to label directions, this product fails to perform in accordance with its published literature, upon presentation of proof-of-purchase to the store where the product was purchased, and upon satisfactory evidence of product failure, U.S. Fireplace Products will replace the product at no cost for that portion of the product that fails to perform in accordance with this limited lifetime warranty. This warranty shall not apply to any defect or damage resulting from improper surface preparation, structural defects, failure of a previous product or improper application of the product. This is your sole remedy under this warranty. **THIS WARRANTY EXCLUDES (1) LABOR OR COSTS ASSOCIATED WITH LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT AND (2) INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from State to State. If the homeowner sells their home, U.S. Fireplace Products, Inc. will honor the warranty for a period of up to five (5) years from the date of application.

This Limited Lifetime Warranty is subject to the following terms and conditions: 1) Application of Crown Safe must be done in accordance with manufacturer's written Installation Instructions, and performed by a qualified contracting professional; 2) Corrosive cleaners are not permitted, and will void Crown Safe's limited warranty; 3) In the event of extreme physical damage to the area where Crown Safe is applied, the limited warranty will be void. The repaired building substrate must be inspected and approved by a qualified contracting professional before reapplying Crown Safe; 4) Product refund or replacement will constitute the limit of U.S. Fireplace Products' liability and obligation for any such warranty claim. U.S. Fireplace Products will not be liable or obligated otherwise for any loss or damages arising directly or indirectly from Crown Safe or the use or failure thereof, whether based on breach of agreement or negligence. Please contact your distributor or U.S. Fireplace Products, Inc. for more information on this warranty.

SAFETY:

Please use caution when handling Crown Safe material. CONTAINS AROMATIC HYDROCARBONS which are HARMFUL VAPORS if inhaled. Contents are COMBUSTIBLE. Keep away from heat and open flames. Use only with adequate ventilation. If you experience eye watering, headaches, or dizziness increase fresh air intake, wear NIOSH approved respiratory protection or leave the area. Avoid contact with eyes and skin. After handling material, wash hands before eating or drinking. Impervious gloves and long-sleeved and long-legged clothing should be worn to prevent skin contact. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE CAN OCCUR.

Warning: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

INSTALLATION:

Please read the complete Installation Instructions for Crown Safe which are included on each container's label. Contact local building or fire officials about restrictions and application inspection in your area prior to application. Use of these materials other than as specified in this manufacturer's Product Data & Installation Instructions is prohibited. Application of Crown Safe brushable sealant should be performed by a qualified contracting professional. For additional questions please contact U.S. Fireplace Products, Inc. or your distributor.

Product Coverage: One gallon (1 GAL) of Crown Safe brushable sealant will cover up to eighty (80) square feet at thickness of 1/16" to 1/8". Results may vary based on building substrate in which Crown Safe is applied.

Limitations: Do not use on polystyrene insulation sheathing and EPDM. Do not use in areas where food is processed or stored. Contains solvents that may craze some plastic materials. Product is for limited area applications, do not use as a complete surface coating or continuous underwater application. For exterior use only due to odor emitted during cure. Not for use on areas that require a "breathable, waterproofing system".

Please Note: Crown Safe is a "brushable, fibered sealant" of wet, "epoxy-like" ingredients, packaged in one (1) gallon metal containers. For best results, use brushes, trowels, putty knives, or other hand tools that are free from other masonry or residue. Crown Safe can be applied successfully to surfaces in any weather condition, and cures to a "clear, see-through finish". Crown Safe can fill cracks and voids less than 1/4" wide. After fully curing, Crown Safe may be painted with latex or most oil-based paints.

Area Preparation: For best results, areas to be sealed should be cleaned of loose debris, and standing water.

Moderate amounts of dampness will not interfere with adhesion. For maximum adhesion to dirty, or heavily oiled surfaces, areas to be sealed should be wiped with a solvent based cleaner and allowed to dry. It is recommended to "tape off" application areas to prevent product "spillage", but not required.

Step 1: Apply Crown Safe coating with brush, trowel, or putty knife, applying slowly into seams and cracks using crisscross, "paint-like" strokes. Apply at rate of 1/16" to 1/8" per coat. Do not thin coating.

Step 2: Allow twenty-four (24) hours to cure. Inspect and recoat, if necessary. Paint after five (5) days, if desired.

CLEANING: Thoroughly clean tools or brushes with solvent based cleaners immediately, and before curing occurs. Cured material may be removed from tools by cutting or scraping. Observe precautions when using toxic or flammable solvent cleaners.

CURING: Crown Safe is tack free within four (4) hours of application. Finished Crown Safe applications should be allowed to cure for twenty-four (24) hours. After the initial twenty-four (24) hour curing, inspect and recoat area if necessary. If painting is required, allow Crown Safe to cure for five (5) days.

MAINTENANCE: No maintenance should be required. Inspect applied area on an annual basis to ensure Crown Safe is performing its intended function. Please note, corrosive cleaners are not permitted and will void Crown Safe's limited warranty.

SERVICE TEMPERATURE: Temperature: Crown Safe can resist temperatures between -40°F to 160°F when fully cured, and can be applied at temperatures between 0°F to 120°F.

FIRST AID MEASURES:

If inhaled: Allow victim to breathe fresh air. Allow the victim to rest. In case of severe respiratory issues, provide fresh air and seek emergency medical attention. **If swallowed:** Wash out mouth with water. Do NOT induce vomiting. Seek emergency medical attention. **For skin contact:** Wash with plenty of soap and water. **For eye contact:** Immediately flush eyes thoroughly with water for at least fifteen (15) minutes. Remove contact lenses, if present. Continue rinsing. Seek emergency medical attention immediately.

General: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Contains solvents that can cause permanent brain and nervous system damage. For additional information on first aid measures, consult the Safety Data Sheet. **PACKAGING:** Available in one (1) gallon containers. One (1) gallon containers: 4 per case, 180 per pallet.

TRANSPORTATION & HANDLING:

Per US Department of Transportation (DOT) standards and regulations, Crown Safe is not considered hazardous material. Pallets cannot be stacked. Keep material tightly secured and stored at room temperature in well ventilated areas.

TESTING:

ASTM G53: Accelerated weather (QUV) 10,000 hours. No shrinkage, cracks, or deterioration.

PHYSICAL PROPERTIES:

Color: None, Clear

Vapor Density: 3.66 [Air = 1]

Relative Density: 0.92

VOC Content: < 300 g/l

Physical State: Liquid

Flash Point: Closed cup: 43°C (109.4°F)

Elongation: 583%

Shelf Life: Twelve (12) months when unopened. For more information on physical properties, please consult the Safety Data Sheet.

US FIREPLACE PRODUCTS, INC.