

ChimFlash Application Manual

Product Overview

ChimFlash is a high-performance, all weather elastomeric flashing repair and waterproofing compound specifically formulated to restore deteriorated chimney flashing systems. Its flexible, waterproof membrane permanently seals cracks, gaps, seams, and deteriorated flashing while accommodating normal thermal movement between the roof and masonry chimney.

Unlike complete flashing replacement, ChimFlash restores existing flashing by creating a seamless, weather-resistant barrier that prevents water intrusion and extends the service life of the flashing system.

Its UV-resistant, breathable, elastomeric formula withstands freeze-thaw cycles, thermal expansion, and prolonged exposure to harsh weather conditions. ChimFlash can be applied in temperatures as low as -20°F (-29°C), allowing for reliable flashing repairs during cold-weather conditions when many conventional repair products cannot be used.

Recommended Uses

ChimFlash is designed for repairing and waterproofing:

- Rusted or deteriorated chimney flashing
- Step flashing
- Counter flashing
- Apron flashing
- Cricket flashing
- Flashing-to-masonry transitions
- Flashing-to-roof intersections
- Small flashing seams and joints
- Previously repaired flashing in good structural condition

Not intended for structural flashing replacement or flashing that has failed beyond repair.

Preparation

Surface Inspection

Before application:

- Inspect the entire chimney flashing system.
 - Verify that existing flashing is securely attached.
 - Replace loose, missing, or structurally damaged flashing before applying ChimFlash.
 - Confirm that water intrusion originates from deteriorated flashing rather than roofing defects.
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Surface Preparation

1. Remove loose rust, dirt, debris, moss, and failing coatings.
 2. Scrape away loose roofing cement and deteriorated sealants.
 3. Wire brush rusted metal surfaces until clean and sound.
 4. Clean surrounding masonry and roofing materials.
 5. The surface must be completely dry before application.
 6. ChimFlash may be applied in ambient temperatures as low as -20°F (-29°C). Surfaces should be free of snow, ice, standing water, frost, and other contaminants that may interfere with proper adhesion.
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Application Tools

- Margin trowel or brush
 - Stiff brush
 - Disposable brush (for detailing)
 - Gloves
 - Eye protection
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Application Instructions

Step 1 – Stir Thoroughly

Open the container and stir ChimFlash thoroughly to ensure a consistent mixture.

Do not dilute or mix with other products.

Step 2 – Apply First Coat

Using a trowel or putty knife:

- Apply a generous, uniform layer over deteriorated flashing.
 - Extend the coating onto the adjacent masonry and roofing surface where required to create a continuous waterproof membrane.
 - Work the material firmly into seams, joints, cracks, and pinholes.
 - Feather the edges smoothly into surrounding surfaces.
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Step 3 – Reinforce High-Movement Areas (If Required)

For larger gaps or movement joints:

- Apply an initial coat of ChimFlash.
 - Embed reinforcing fabric where specified.
 - Apply an additional coat to completely encapsulate the reinforcement.
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Step 4 – Apply Finish Coat

Where additional protection is required:

- Apply a second coat after the first becomes tack-free.
 - Ensure complete, uniform coverage across the repaired area.
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Coverage

Coverage varies depending on:

- Condition of existing flashing

- Surface texture
- Repair depth
- Number of coats applied

Typical coverage is approximately **20–30 square feet per gallon**, depending on application thickness.

Cure Time

Typical curing conditions:

- Tack-free: 2–4 hours
- Rain resistant: 2 hours
- Fully cured: 12–24 hours

Lower temperatures or high humidity may increase curing time.

Cleanup

- Clean tools immediately with soap and water.
 - Remove accidental spills before the product cures.
 - Do not allow ChimFlash to dry on finished roofing or architectural surfaces.
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Final Inspection

After curing, inspect for:

- Complete flashing coverage
- Proper adhesion
- Continuous waterproof membrane
- No pinholes, voids, or missed areas
- Fully sealed flashing joints
- Smooth feathered edges

Touch up any missed areas before completing the installation.

Storage and Handling

- Store in the original tightly sealed container.
- Store above 32°F (0°C). Do not allow the product to freeze.
- Keep in a cool, dry location away from direct sunlight and excessive heat.
- Do not store below the manufacturer's recommended temperature range.
- ChimFlash may be applied in ambient temperatures as low as -20°F (-29°C), provided the application surface is clean, dry, and free of snow, ice, frost, and standing water.

Safety Precautions

- Wear gloves and eye protection during application.
- Use in well-ventilated areas.
- Avoid prolonged skin contact.
- Do not ingest.
- Refer to the current Safety Data Sheet (SDS) before use.

Warranty

ChimFlash is backed by a 15-Year Limited Warranty when applied by a qualified professional in accordance with this Application Manual and under recommended surface and weather conditions.

The warranty applies only when:

- The substrate is properly prepared before application.
- ChimFlash is applied in accordance with the instructions contained in this manual.
- The product is applied to structurally sound existing flashing.
- Recommended cure times and weather conditions are observed.
- The repair has not been altered or damaged by subsequent construction or roofing work.

The warranty does not cover:

- Structural movement of the chimney or building.
- Improper surface preparation.
- Application over loose, deteriorated, or structurally failed flashing requiring replacement.
- Damage caused by severe weather, impact, fire, or other acts of nature.
- Roof leaks originating from roofing materials or building components unrelated to the chimney flashing system.
- Improper installation or application not performed in accordance with this manual.

Refer to the official **ChimFlash 15-Year Limited Warranty** for complete terms, conditions, limitations, and claim procedures.

Approved Industries I ChimFlash Flashing Restoration System

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