ULTRAFLASH™ TWO-PART LIQUID FLASHING & ULTRAFLASH ONE-PART LIQUID FLASHING APPLICATION GUIDE

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NOTE: The contents of this guide are considered accurate at time of posting. All information contained within should be validated for accuracy as it relates to specific project conditions or requirement. Specific codes, uplifts or other factors may result in changes to the information contained within this document. Validate all specific conditions with a Regional Technical Coordinator prior to its use.

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1. Description

UltraFlash Two-Part Liquid Flashing & UltraFlash One-Part Liquid Flashing are effective, easy to use solutions for a variety of flashing applications on asphalt roofing systems. They are similar products with a few key differences:

1. UltraFlash Two-Part Liquid Flashing (Parts A & B)
   - Two parts, requires mixing.
   - Use on BUR and SBS.
   - Eligible for up to 30-year Platinum™ Warranty.
2. UltraFlash One-Part Liquid Flashing
   - One part, requires stirring.
   - Use on BUR, SBS, and APP.
   - Eligible for 20-year Red Shield™ Warranty with standard application; up to 30 years with an additional layer of scrim and liquid flashing.

2. Mixing Instructions (Applies to UltraFlash Two-Part Liquid Flashing Only)

1. Three-Gallon Pails
   a. Combine 2.66 gallons (10 L) of UltraFlash Part A and .33 gallons (1.25 L) of Part B Activator II using a power mixer with the following characteristics: ½" drill, at least 5 amp, and 400-900 rpm.
   b. Mix for at least three (3) minutes at low speed using an 8" (203 mm) mud blade, being careful not to whip air into the mixture.
2. One-Gallon Cans
   a. Combine 1 gallon (3.8 L) of UltraFlash Part A and 11 ounces (30 mL) of Part B Activator II using a power mixer with the following characteristics: ½" drill, at least 5 amp, and 400-900 rpm.
   b. Mix for at least three minutes at low speed using a 3" (76 mm) spiral blade, being careful not to whip air into the mixture.
3. Cartridges
   a. When opening a new cartridge always point the tip up and extrude material until both Part A and Part B have mixed in the mixing tube.
   b. Cartridges are mixed in the mixing tube where they receive proper and thorough mixing as long as the cartridge is started properly, by pointing up to prevent Part B from running out of the mix tube.
   c. Examples of appropriate dispensing guns are COX™ MM750X/10 or Newborn 751-XSP.
4. Observe the following measures:
   a. High-speed drill motors will whip air into the mixture. UltraFlash Two-Part Liquid Flashing requires a low-speed, high-torque motor for proper mixing
   b. Fan blade or rod style mixers shall not be used.
   c. Never mix UltraFlash Two-Part Liquid Flashing by hand
   d. Do not thin! If Part A is too viscous, it should be warmed to 70 to 90 °F (21 to 32 °C).
   e. Do not mix water or air into the UltraFlash Two-Part Liquid Flashing mixture.
   f. UltraFlash Part B Activator II comes premeasured with each 3-gallon pail or 1-gallon can. Do not mix more or less than one bottle of the appropriate Part B Activator II to each container of part A.
   g. Store UltraFlash Two-Part Liquid Flashing at 70 to 90 °F (21 to 32 °C) for easier mixing.

UltraFlash One-Part Liquid Flashing does not require mixing but does require stirring prior to application.

3. Surface Preparation

1. Substrates must be stable, clean and dry with no oils, grease, moisture (including condensation) or loose debris. UltraFlash LVOC Primer is required for use on all stable non-porous surfaces including all metal surfaces when UltraFlash Two-Part is used.
2. Concrete must be minimum 3,000 psi compressive strength, and free of release agents and curing compounds. The surface to be flashed must be clean, dry and free of contaminants. Grinding may be necessary to ensure a properly prepared surface.

3. All metals must be solvent-cleaned (such as with acetone) and abraded to de-gloss the surface and promote adhesion. UltraFlash LVOC Primer is required when UltraFlash Two-Part is used.
4. Wood substrates must be clean, dry, and free of paint and surface contamination. Do not apply to treated wood.

4. Application

1. The ambient application temperature should be 40 °F (4 °C) and rising. UltraFlash Two-Part Liquid Flashing or UltraFlash One-Part Liquid Flashing should be at least 60 °F (16 °C) at the point of application. The products will cure more quickly at higher temperatures, and UltraFlash Two-Part Liquid Flashing will have a shorter pot life.
2. Properly prepare surface.
3. Measure and mark the area to be flashed in accordance with Elevate details.
    a. UltraFlash Two-Part Liquid Flashing & UltraFlash One-Part Liquid Flashing must extend out a minimum of 3" (76 mm) in all directions from the edge of the pipe, curb, etc. being flashed (both horizontally and vertically).
    b. Apply masking tape around the area to be flashed to ensure the product is not feathered or thinned-out at the edges, and to maintain a neat appearance.
4. Using a brush, roller, squeegee, or trowel, apply UltraFlash Two-Part Liquid Flashing or UltraFlash One-Part Liquid Flashing at an approximate thickness of 30 wet mils (0.8 mm) over the marked area, being careful not to feather out the edges.
5. Using a pre-cut piece of UltraFlash Fabric, lay the fabric into the UltraFlash Two-Part Liquid Flashing or UltraFlash One-Part Liquid Flashing so that it extends out a minimum of 3" (76 mm) in all directions from the edge of the pipe, curb, etc. being flashed (both horizontally and vertically).
6. Apply another coat (embedment coat) of UltraFlash Two-Part Liquid Flashing or UltraFlash One-Part Liquid Flashing at an approximate thickness of 30 wet mils (0.8 mm) over the marked area, being careful not to feather out the edges. Be sure the liquid flashing extends a minimum of 2" (51 mm) beyond the fabric.
7. Wait from 30 minutes to 24 hours, depending on ambient conditions, until the UltraFlash Two-Part Liquid Flashing or UltraFlash One-Part Liquid Flashing has cured enough to not be tacky to the touch.
8. Apply a final coat of UltraFlash Two-Part Liquid Flashing or UltraFlash One-Part Liquid Flashing at an approximate thickness of 30 wet mils (0.8 mm) over the entire area, being careful not to feather out the edges.
9. Granules may be broadcast into the fresh (wet) compound to match the surface of the roof.
10. NOTES:
    a. The same general application instructions apply to penetrations, curbs, drains, scuppers, and base flashings. Please refer to the Elevate details for those specific applications.
    b. Penetrations should be spaced at least 1" (25 mm) apart to ensure proper wrapping and coating.
    c. Do not apply UltraFlash Two-Part Liquid Flashing or UltraFlash One-Part Liquid Flashing directly to hot stacks in excess of 187 °F (86 °C) or where it will be exposed to steam or in-service temperatures above 140 °F (60 °C).