TREMCO

APPLICATION INSTRUCTIONS

ExoAir® DualFlash™

Gun and Roller-Grade Liquid Applied Flashing

1. PURPOSE

1.1 The purpose of this document is to establish uniform procedures for installing ExoAir DualFlash membrane.

1.2 The techniques involved may require modifications to adjust to jobsite conditions. Tremco recognizes that site specific conditions, weather patterns, contractor preferences, and membrane detailing may require deviation or alteration from these prescribed installation procedures. When such circumstances exist on a project, Tremco recommends that the local Tremco Sales Representative or Tremco Technical Service be contacted for assistance and approval as required.

1.3 ExoAir DualFlash is compatible with and part of ExoAir Air Barrier Systems, a complete line of air barrier systems provided by Tremco.

1.4 ExoAir DualFlash can be applied before or after application of ExoAir membranes.

2. SCOPE

2.1 This document will provide the necessary instructions for the application of ExoAir DualFlash.

3. STORAGE

3.1 Store ExoAir DualFlash in original, undamaged packages in a clean, dry, protected location with temperatures 40 to 100°F (5 to 37°C)

4. SUBSTRATE PREPARATION

4.1 Roofing systems shall be capped and sealed, or top of walls protected, in such a way as to eliminate the ability of water to saturate the wall or interior space, both before and after, air barrier system installation. Coordinate installation of ExoAir DualFlash with the roofing trade to ensure compatibility and continuity with the roofing system

4.2 Continutiy of the air barrier system is critical to the performance of the building envelope. Proper connections to other envelope systems such as the waterproofing, flashing, roof and window/curtain wall systems shall be documented and approved by each manufacturer/installer. Visit www.tremcosealants.com for various system testing performed at the Tremco Test Facility or to submit a project connection detail for testing.

4.3 Surface to be coated must be dry, clean, smooth, firm, free of release agents, dust mud, mortar, wires, fins, metal projections, or any other substances that might prevent placement and bonding of membrane.

4.4 ExoAir DualFlash may be applied to most typical building materials such as exterior sheathing boards, exterior grade gypsum sheathing, CMU, concrete, exterior grade plywood, and metal surfaces.

4.5 Exterior sheathing shall be installed according to the manufacturer's installation instruction. All board edges shall be sound and anchored in a way to provide minimum deflection. All board edges shall be cut cleanly and excess debris shall be removed.

4.6 CMU walls shall have all joints filled and struck flush. Mortar should be cured a minimum of 7 days. Any voids shall be patched with mortar, a non-shrinking grout, or other approved patching material.

4.7 All concrete substrates shall be clean and free of all release agents. Any voids shall be patched with mortar, non-shrinking grout, or other approved patching material.

4.8 Metal surfaces require a pull-test to validate proper adhesion and performance. Metal surfaces need to be clean and free of oils or other contaminants. Priming with TREMprime Silicone Metal Primer or ExoAir Primer may be required. Job site adhesion mock-ups are recommended.

Visit www.tremcosealants.com for various system testing performed at the Tremco Test Facility or to submit a projec connection detail for testing.

5. DETAIL WORK PRIOR TO EXOAIR DualFlash APPLICATION

5.1 Construction Gaps: ExoAir DualFlash can bridge construction gaps 1/16" (1.6mm) or less without additional detailing. All gaps larger than 1/16" (1.6mm) and less than ½" (12.7mm) shall be pre-filled with ExoAir DualFlash before detailing. Gaps larger than ½" may require additional or alternate detailing if the substrate cannot be improved to reduce the gap size. Contact your local Tremco representative or Tremco's Technical Services at (866) 209-2404.

5.2 Penetrations: Penetrations must be rigidly supported as to not allow movement of penetrating item.

6. EXOAIR DualFlash GUN-GRADE APPLICATION

6.1 Rough opening Flashing: Apply a cant bead of ExoAir DualFlash in all inside corner conditions, minimumum ½" x ½". Apply ExoAir DualFlash gun-grade in a zig-zag pattern on the face of the wall and into the rough opening on the sill, jambs, and head. Tool the ExoAir DualFlash to a minimum of 20 mils on the jambs and the head ensuring the material extends at least 1" passed any exposed edges. Apply ExoAir DualFlash to a minimum of 60 mils on the sill. Ensure there are no voids or incontinuities throughout the ExoAir DualFlash and that all edges are feathered out in a manner as to now allow moisture to pond.

6.2 Board Joints: Apply a bead of ExoAir DualFlash along the board joint. Tool the material to a minimum of 20 mils with a minimum of ¾" contact onto either sheathing board. Ensure there are no voids or incontinuites throughout the ExoAir DualFlash and that all edges are feathered out in a manner as to not allow moisture to pond.

6.3 Fasteners: Apply ExoAir DualFlash to the fastener and tool to a minimum of 20 mils and extending to a minimum of ¾" diameter. Ensure there are no voids or incontinuites throughout the ExoAir DualFlash and that all edges are feathered out in a manner as to not allow moisture to pond.

7. EXOAIR DualFlash ROLLER-GRADE APPLICATION

7.1 Rough Opening Flashing: Apply ExoAir DualFlash using a minimum ½" (12.7mm) nap roller in all inside corner conditions. Apply ExoAir DualFlash to the face of the wall and into the rough opening on the jambs and head at a minimum of 20 mils extending a minimum of 1" passed any exposed edges. Apply ExoAir DualFlash to a minimum of 60 mils on the sill. Ensure there are no voids or incontinuites throughout the ExoAir DualFlash and that all edges are feathered out in a manner as to not allow moisture to pond.

7.2 Board Joints: Apply ExoAir DualFlash using a minimum ½" (12.7mm) nap roller along the board joint at a minimum of 20 mils extending a minimum of ¾" onto either sheathing board. Ensure there are no voids or incontinuites throughout the ExoAir DualFlash and that all edges are feathered out in a manner as to not allow moisture to pond.

7.3 Fasteners: Apply ExoAir DualFlash using a minimum ½" (12.7mm) nap roller to the fastener at a minimum of 20 mils extending a minimum of ¾" diameter. Ensure there are no voids or incontinuites throughout the ExoAir DualFlash and that all edges are feathered out in a manner as to not allow moisture to pond.

8. LIMITATIONS

8.1 Do not apply to damp, contaminated, or frost-covered surfaces.

8.2 Not to be used as a permanently exposed surface. Contact your local sales representative for project soecific requirements.

8.3 ExoAir DualFlash is not to be applied firectly to fireproofing materials. Contact Tremco Technical Service at www.tremcosealants.com for alternative reccomendations.

8.4 ExoAir DualFlash is not to be used with ExoAir 120, ExoAir 220, ExoAir 110, or Enviro-Dri.

8.5 ExoAir DualFlash may be incompatible with asphaltic membranes, adhesion and compatibility should be tested prior to any application.

8.6 Protect the ExoAir DualFlash to avoid damage by other trades and construction materials during subsequent operations. Allow ExoAir DualFlash to fully cure before installing windows, doors, or other wall elements.

8.7 UV Exposure should not exceed 12 months before façade installation. If the 12-month limit is exceeded, contact Tremco Technical Services at (866) 209-2404.

9. INSPECTION, TESTING, REPAIR

9.1 Inspect the surface of the ExoAir DualFlash thoroughly for pinholes, blisters, or other voids in the membrane. If any are detected, reapply ExoAir DualFlash until a monolithic coating ar the specified minimum thickness is achieved. If the material has already been completely cured, prepare the surface in conjunction with Section 4.

9.2 If on-site testing is required, Tremco recommends ASTM D4541 Standard Test Method for Pull-Off Strength of coatings Using Portable Adhesion Testers. ExoAir DualFlash should be fully cured prior to conducting testing. Additional information about this testing can be found at www.tremcosealants.com in the Technical Bulletin section.

10. CLEAN UP

10.1 Remove any masking materials immediately after intallation. Clean spillage and soiling on adjacent construction that will be exposed in the finished work using cleaning agents and procedures recommended by the manufacturer of the affected construction.

10.2 Uncured ExoAir DualFlash can be cleaned with an approved solvent such as Xylene or Isopropyl Alcohol. Utensils used for tooling can also be cleaned with an approved solvent. Cured ExoAir DualFlash can be cleaned with an approved solvent such as Xylene. If removal is required, mechanical methods may be necessary. Contact Tremco Technical Services for additional recommendations at (866) 209-2404.

3735 Green Rd
Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1350 Gay-Lussac, Unit: 3
Boucherville QC J4B 7G4
514.521.9555