INSTALLATION GUIDE

4160 BOND-N-FLASH®

BOND-N-FLASH® is a stainless steel composite flashing consisting of 3 mils of stainless steel (type 304) bonded on one side to a permanent woven film fabric. BOND-N-FLASH® is a flashing product designed for fast and efficient installation, especially at corners and laps. For a secure and consistent seal, always apply Quick Set® sealant at all overlaps and seams.

BOND-N-FLASH® will bond to concrete, cmu, brick, exterior gypsum, wood, plywood, OSB, metal, and air barriers. Available sizes: 12", 18", 24" x 75 lineal feet.

- Typical Flashing locations: • Masonry cavity walls • Base of walls • Head of doors and windows
- Windowsills and any openings • Any interruption in a vertical masonry drainage plane
- Under masonry copings with exposed stainless steel metal drip edge

• BOND-N-FLASH® can be applied from 20º to 180ºF. The ideal working temperature is 32ºF and rising. For the best results apply flashing in clear and dry weather conditions. Store materials at all times in a dry environment. BOND-N-FLASH® is compatible with most of the insulation boards, air barriers, spray polyurethane foams, roofing membranes, asphaltic flashings and below grade waterproofing products.

• Ensure all surfaces are clean, dry, and free from loose rust, dirt, and dust. The surface should be reasonably smooth without any large projections. Remove any oil, grease, or other contaminants where masonry flashing will be installed. BOND-N-FLASH® flashing during installation should be free from any wrinkles, sags, gaps or drooping thereby eliminating any possible migration of water behind the membrane. All air/vapor barrier products, whether brush applied or spray-applied must be fully cured before flashing installation. Curing times can vary depending on the product and environmental conditions, so "dry to the touch" is not sufficient. Wire-Bond strongly recommends conducting a test on a project sample panel before proceeding with the full installation on the building.

- In applications where drip edge is desirable, install a (#4165) stainless steel drip edge below the horizontal leg of the masonry flashing. To prevent moisture from entering below the flashing level, ensure that masonry ledge is clean and dry. Apply three continuous ⅜" horizontal beads of (#4198) Quick Set® sealant along the masonry ledge. Start by positioning the first bead approximately 1 inch back from the face of the veneer. Space the second bead 1 inch from the first and apply the final bead to align with the back edge of the stainless steel drip edge once installed. No sealant is to be applied to the leading edge of the flashing. Carefully place the stainless steel drip edge over the beads of sealant, pressing firmly to ensure full contact to create a watertight seal. Ensure that each section of the drip edge overlaps the next by at least 4 inches. Apply beads of sealant between the overlapping sections to create a continuous and effective moisture barrier. Consider installing

(#4166) stainless steel pre-formed inside and outside corner drip edges before placing the flexible flashing to ensure optimal performance and aesthetics. This process also applies to masonry areas supported by steel angles.

• In applications where drip edge flashing is not desirable, apply three continuous ⅜" horizontal beads of (#4198) Quick Set® sealant between the masonry ledge and BOND-N-FLASH® flashing. Start by positioning the first bead approximately 1 inch back from the face of the veneer. Space the remaining beads evenly to ensure proper coverage along the masonry ledge. To ensure proper installation and ease of placement, apply lines of sealant to the vertical substrate as the flashing is being installed. Align the flexible flashing flush with the face of the veneer, extending it horizontally across the solid flat surface of the cavity. Then turn the flashing vertically against the substrate, ensuring it extends at least 6 inches above the drainage mesh. Use a roller to firmly press the flashing into place to ensure proper adhesion while eliminating wrinkles, trapped air, sags, gaps, or drooping, effectively preventing any potential water migration behind the membrane. Flashing should be secured to the backup wall using a stainless steel termination bar and apply sealant between the termination bar and the flashing. Apply sealant to all laps and seams of the flashing to prevent water migration behind the flashing system. Avoid trimming the outer edge of the flexible flashing after installation to preserve its integrity.

• In applications where drip edge is used, unroll and cut it into manageable lengths of 8 to 10 feet for easier handling and to prevent misalignment. Ensure all surfaces are clean, dry, and free of loose rust, dirt, and dust before installation. After installing the stainless steel drip edge, apply three continuous ⅜" horizontal beads of Quick Set® sealant (#4198) evenly across the top of the masonry ledge. Start by positioning the first bead approximately 1 inch back from the face of the veneer. Begin the flashing installation by positioning it ¾" back from the face of the veneer, ensuring it rests securely on top of the stainless steel drip edge. No sealant is to be applied to the leading edge of the flashing. Extend the flashing horizontally across the solid flat surface of the cavity. As you install the flashing, apply continuous lines of sealant to the vertical substrate. Then, turn the flashing vertically up the substrate, ensuring it extends at least 6 inches above the drainage mesh. For proper corner installation, extend the flashing fully beyond each corner in both directions to ensure complete coverage. Overlap all sections by 4 to 6 inches and apply Quick Set® sealant between the overlaps. Firmly press the flashing onto the surface using a handheld roller to ensure proper adhesion and a secure bond. This is a critical task regardless of whether or not you use stainless steel pre-formed inside or outside corner units. To ensure a secure and uniform seal at lapped locations, always apply Quick Set® sealant to all overlaps and seams. Consider installing (#4194-#4196) stainless steel pre-formed inside and outside corners and end dams before placing the flexible flashing to ensure optimal performance.

• Once the flexible flashing is installed, use a handheld roller to firmly press the flashing onto the surfaces. This process ensures proper adhesion while eliminating wrinkles, trapped air, sags, gaps, or drooping, effectively preventing any potential water migration behind the membrane. Apply continuous ⅜" beads of Quick Set® sealant at the overlaps and seams. Use a suitable tool to press down the sealant to ensure a tight and uniform seal throughout.

• Select an appropriate (#4200 or #4210) termination bar profile made from stainless steel. The use of a termination bar is a requirement when installing flashing onto the vertical substrate. Apply ⅜" bead of Quick Set® sealant between the termination bar and the flashing. Position the termination bar along the top edge of the flashing's vertical leg, ensuring both the flashing and termination bar are located above the drainage mesh. Secure the termination bar to the substrate using the specified fasteners, ensuring a tight fit and preventing gaps between the bar and substrate. Apply a continuous ⅜" bead of Quick Set® sealant along the top edge of the termination bar, where it meets the flashing and substrate. Smooth the sealant with a suitable tool to ensure a tight uniform seal.

• To ensure the proper installation of flexible membrane flashings, it is essential to prevent the material from drooping or sagging into the masonry cavity. Architectural drawings should detail the use of filler support material beneath the flashing to establish a sloped configuration, ensuring proper drainage and preventing bridging gaps. Inspect the entire flashing installation to ensure the termination bar is securely fastened, Quick Set® sealant is properly applied, and all penetrations are sealed with no gaps that could compromise the system's integrity. All work should adhere to accepted trade practices to maintain quality and performance. Additionally, protect the flashing system from falling debris, damage caused by other trades, and environmental factors.

• Wire-Bond recommends constructing a sample panel for installation testing before beginning the full application on the building. To ensure a secure and watertight sealed system at substrates, a stainless steel termination bar must be installed, and Quick Set® sealant must be applied when using BOND-N-FLASH® flashing. Please refer to the product data submittal for additional materials which are compatible with BOND-N-FLASH®. Wire-Bond is not responsible for incompatibility resulting from the use of primers and sealants other than BOND-N-FLASH® products.

• BOND-N-FLASH® is warranted to meet the specifications listed herein and is tested to assure conformance to the physical properties listed in the Technical Data Table. No maintenance is required for the life of the building when properly installed.

Please feel free to contact a Wire-Bond representative if you have any questions.

Corporate Office: 400 Rountree Rd Charlotte, NC 28217
TEL: (800) 849-6722 FAX: (704) 525-3761
Mailing Address: P.O. Box 240988 Charlotte, NC 28224

Memphis Plant: 2365 Harbor Ave. Memphis, TN 38113
TEL: (800) 441-8359 FAX: (901) 775-9449
Mailing Address: P.O. Box 13124 Memphis, TN 38113

www.wirebond.com