

UNIBOND™ ST

SMALL REPAIR APPLICATION GUIDELINES



DESCRIPTION

UniBond ST is a high-performance, polyester-faced, fatigue resistant, 100% solids adhesive tape designed to seal and reinforce seams and penetrations on a variety of metal and single-ply roof systems. When combined with Garland's CPR™ White, Revitalizer™ Metal, White-Knight®/Stallion®, or White-Knight/Stallion Plus cold-applied roof coating systems, it provides superior protection to seams and roof penetrations. The benefits offered by this advanced sealing tape include long-term movement compatibility and reduced application labor. This versatile tape is formulated from synthetic resins, thermoplastics, and non-curing rubber, with a woven polyester facing.

MATERIALS AND EQUIPMENT

The tools and materials needed to install Garland's UniBond ST are:

- Non-residue solvent-based cleaner
- Rags or cloth
- Steel weighted roller
- Scissors
- Abrasive cleaning pad
- Wire brush
- UniBond ST roll

PREPARATION

The entire surface to which UniBond ST will be applied must be clean and dry. All dirt, debris, rust, oils and contaminants that can interfere with adhesion of the tape and surface coating must be thoroughly removed by the most effective method possible. Power wash the entire surface, including flashings, with TSP or Simple Green. Remove rust and flaking paint by jet water blasting, sand blasting, or power wire brushing. Be sure to only use solvent-based cleaners that will not leave a residue. UniBond ST will not adhere to silicone, which must be removed prior to application.

Surface Preparation

- Before application, remove or repair all aged/cracked caulk, cracked asphalt, peeling mastic and rust.

Metal Substrates

- Clean surfaces with a non-residue leaving solvent-based cleaner such as denatured alcohol, mineral spirits, lacquer thinner, acetone, or a commercial EPDM cleaner.
- Rust must be removed using the most rigorous method suitable for each particular job. Jet water blasting, sand blasting, wire brushing, and/or power wire brushing is recommended.

Single-Ply Substrates

- Scrub the surface with an abrasive cleaning pad suitable to remove embedded dirt and contaminants without damaging the substrate. Remove dust.
- Clean surface with a non-residue leaving solvent-based cleaner such as denatured alcohol, mineral spirits, lacquer thinner, acetone, or a commercial EPDM cleaner.

If at any time during the application the roof surface or component becomes contaminated with dirt, dust or other materials that will interfere with adhesion of the tape, the application must stop and cleaning measures must be taken to restore the surface to a suitable condition. Dust should be blown off of surfaces with compressed air or blowers before UniBond ST application continues.

INSTALLATION

Installation of UniBond ST is accomplished in seven (7) basic steps:

1. Locate the area(s) to be repaired or sealed.
2. Clean the surface per recommendations (see previous page). Allow it to dry completely.
3. Remove the clear release liner from the back of the tape:
 - a. Grab outer edges with thumb and forefingers.
 - b. Push fingers together, bunching the tape in the middle.
 - c. In a fast motion, snap the tape forward and backward 7-10 times.
 - d. Push fingers together again, allowing liner to “pop” from the tape.
 - e. Peel liner from tape in short, workable sections to prevent contamination of the adhesive.
4. Use care to install the tape uniformly, in workable sections to the substrate devoid of air pockets, wrinkles, fishmouths, and other discrepancies. DO NOT STRETCH.
5. Thoroughly apply pressure starting at the center and work toward outside edge with steel roller or hands to activate bonding process. Use a steel weighted roller for best results. The firmer the pressure or rubbing applied, the faster the bond. Verify edges are tightly adhered to surface.
6. Inspect the tape to ensure it is properly installed. If any discrepancies (fish mouths, air bubbles, etc.) are present, they must be repaired before the coating is applied.
7. Within the same day, apply an approved Garland cold process roof coating over the polyester facing, extending a minimum of 2 inches beyond the tape on each side.

GARLAND COLD PROCESS RESTORATION COATING OR SYSTEM

Once the tape has been inspected for proper installation, the first layer of coating must be applied promptly within the same day. For specific coating application rates, see the coating data sheets. Regardless of whether CPR White, Revitalizer Metal White-Knight/Stallion, or White-Knight/Stallion Plus is the coating used, the first layer of coating must extend a minimum of 2 inches beyond the tape on each side.