
TECHNICAL BULLETIN

LB-24-01A-R4

LeakBarrier® Peel & Stick Membranes - Acceptable Substrates

This bulletin states Tarco's position regarding acceptable substrates for adhesion of its LeakBarrier peel & stick line of membranes. This technical bulletin is effective January 23, 2024. Tarco approves the adhesion of its LeakBarrier membranes to the following substrates.

- **Asphalt Saturated Felt - ASTM D4869 and D226 compliant**
- **Base Sheet - ASTM D2626 compliant**
- **Concrete (Structural only)**
 - Concrete must be primed before adhering LeakBarrier self-adhesive membranes. Priming shall be done using an ASTM D41 asphalt primer, water based acrylic primer, or water-based polymer modified primer.
- **DensDeck DuraGuard Roof Board** (manufactured by Georgia Pacific)
- **DensDeck Prime Roof Board** (manufactured by Georgia Pacific)
 - DensDeck Prime must be primed before adhering LeakBarrier self-adhesive membranes. Priming shall be done using an ASTM D41 asphalt primer, water based acrylic primer, or water-based polymer modified primer.
- **EasyBase™** (SBS self-adhering base sheet)
- **EasyLay™** (Asphalt Saturated Underlayment)
- **EasyLay UDL 15** (synthetic underlayment)
- **EasyLay UDL Basic** (synthetic underlayment)
- **EasyNailBase™** (SBS base sheet)
- **Expanded Polystyrene (EPS)**
 - Expanded Polystyrene (EPS) shall of minimum 2" thickness and 2 lb. density.
- **Extruded Polystyrene (XPS)**
 - Extruded Polystyrene (XPS) is not an approved substrate.

- **Gypsum sheathing decks**
 - Gypsum Sheathing must be primed before adhering LeakBarrier self-adhesive membranes. Priming shall be done using an ASTM D41 asphalt primer, water based acrylic primer, or water-based polymer modified primer.
- **Metal**
 - Metal must be primed before adhering LeakBarrier self-adhesive membranes. Priming shall be done using an ASTM D41 asphalt primer, water based acrylic primer, or water-based polymer modified primer.
- **Oriented Strand Board (OSB decks)**
 - OSB shall be exterior grade, structural rated and appropriate for the construction conditions.
 - Priming recommended but not required for new OSB decks. Old OSB and New OSB that has weathered must be primed.
 - Adhesion to OSB is generally inferior to Plywood. We suggest site testing the adhesion of LeakBarrier self-adhesive membranes to any OSB sheathing; and when adhesion is questionable, prime the OSB.
 - Priming shall be done using an ASTM D41 asphalt primer, water based acrylic primer, or water-based polymer modified primer.
 - OSB decks with any kind of treatment(s) are unacceptable.
 - When installing LeakBarrier self-adhesive membranes to OSB with an underside radiant barrier, it is necessary to use an approved mechanically attached base sheet.
- **Plywood**
 - Plywood shall be APA rated exterior grade, 15/32 or greater, and appropriate for the construction conditions.
 - Priming recommended but not required for plywood decks.
 - Priming shall be done using an ASTM D41 asphalt primer, water-based acrylic primer, or water-based polymer modified primer.
 - Plywood decks with any kind of treatment(s) are unacceptable.
 - When installing LeakBarrier self-adhesive membranes to plywood with an underside radiant barrier, it is necessary to use an approved mechanically attached base sheet.
- **PS200MU™ Ice & Water Armor**
- **SecuRock Gypsum Fiber Roof Board** (manufactured by US Gypsum)
- **Wood fiberboard** - Asphalt impregnated, six-sided (only HD)
- **Zip System Roof Sheathing**

Vertical Applications

- When using LeakBarrier self-adhesive membranes in vertical applications, the substrate shall be primed.
- Priming shall be done using an ASTM D41 asphalt primer, water based acrylic primer, or water-based polymer modified primer.

Wood Plank and Tongue & Groove

- In Wood Plank and Tongue & Groove applications, non-supported gaps may adversely affect product performance. When in question, use an approved mechanically attached base sheet.

Other Considerations:

- Adhesives/Sealants used must be SBS trowel grade modified asphalt adhesive/flashing cement.
- When priming the surface, allow the primer to dry to the touch prior to the application of any membrane. If the primed surface is exposed for more than 24 hours, it is recommended that the surface be re primed.
- LeakBarrier self-adhesive membranes shall be applied only to smooth, clean and dry surfaces, with the substrates free from irregularities. Wood decking requires a minimum of 24 hours to dry when exposed to ambient moisture.
- LeakBarrier self-adhesive membranes shall be rolled in place to ensure 100% contact with the substrate prior to back nailing.

If you have any questions or require additional information, please contact your local Tarco Sales Representative or email Tarco Technical Services at tarco@tarcoroofing.com