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Technical Advisory Bulletin

To: GAF Commercial Sales, GAF Contractors, Field Services, AIS, CARE

From: Technical Services

No: TAB-C-50

Direct Adhesion to Lightweight Insulating Concrete (LWIC) with EverGuard® TPO Smooth Membranes

Can I Directly Adhere to LWIC Using EverGuard® TPO Smooth Membranes?

Yes... Direct adhesion of single-ply membranes to lightweight insulating concrete (LWIC) with **EverGuard® TPO Smooth** or **EverGuard Extreme® TPO Smooth** is acceptable. Additional requirements must be followed:

- Membrane must be adhered with the following roofing adhesive:
 - **EverGuard® TPO #1121 Bonding Adhesive**
- Adhering an EverGuard® TPO Smooth membrane directly to LWIC is acceptable only when the deck has **less than 15% moisture content** and is clean and smooth.

What About Complete Tear-Off Applications?

Yes... Direct adhesion of TPO single-ply membranes to lightweight insulating concrete for a **complete tear-off application** is allowed only when the following requirements are met:

- Existing roof is removed down to the LWIC. Remove all surfacing and debris from the roof surface. Inspect deck for cleanliness and damage from removal of existing roof. Repair deck as needed.
 - Apply a **light application** or **"kiss coat"** with EverGuard® TPO #1121 Bonding Adhesive to the existing LWIC. Allow the kiss coat to flash off prior to applying the full application rate of EverGuard® TPO #1121 Bonding Adhesive. This will help to ensure a solid bond between the membrane and LWIC.
 - If the deck cannot be repaired with a kiss coat, this application is not acceptable. A nailed base ply followed by an adhered fleece-backed membrane or other appropriate roofing system should be considered.

Questions?

GAF Technical Support Services Can Assist You... with these and other questions you may have regarding your new roof installation. Technical Support Services can be contacted at 800-766-3411. The GAF website is a great resource for just about any question you may have or for additional information you may require. Please visit www.gaf.com to find the latest information on our products and their installation.

Important: This document supersedes any prior GAF Technical Advisory Bulletins on this topic. Please always check www.gaf.com to make sure you have the most up to date information.