

## LOW-RISE FOAM (LRF) ADHESIVE SECUREMENT TABLE

Decks For Direct Adhesion To Fleece-Back Membranes Only		Notes
Structural Concrete (New)	✓	28-day cure on new poured decks
Structural Concrete – Reroof (structural concrete deck that had an existing roof and contains residual asphalt)	✓	
Lightweight Structural Concrete	✓	28-day cure on new poured decks.
Lightweight Insulating Concrete	✓	28-day cure on new poured decks. Adhesion test required*
Cellular Lightweight Insulating Concrete Decks	✓	Adhesion test required*
Plywood (CDX) Or Oriented Strand Board (OSB)	✓	
Wood Planking	✓	
Poured Gypsum	✓	Adhesion test required*
Pre-Cast Gypsum	✓	Adhesion test required*
Cementitious Wood Fiber (Tectum)	✓	Adhesion test required*
<b>Asphaltic Base Sheet**</b>		
Unmodified Fiberglass / Asphalt Sand / Smooth Surface Base Sheet	✓	Adhesion test required*
SBS Modified Asphalt Sand / Smooth Surface Base Sheets	✓	Adhesion test required*
APP Modified Asphalt Sand / Smooth Surface Base Sheets	✓	Adhesion test required*
<b>Approved Insulations</b>		
Polyisocyanurate (flat / tapered)	✓	Maximum board size is 4' x 4' (1.2 m x 1.2 m)
High Density Wood Fiber	✓	
DensDeck®	✓	4' x 8' (1.2 m x 2.4 m) boards approved
DensDeck® Prime	✓	4' x 8' (1.2 m x 2.4 m) boards approved
Perlite Insulation	✓	¾" (18 mm) minimum
SECUROCK® (all gypsum/cement-based cover boards)	✓	
Extruded Polystyrene (XPS)	✓	Board must be fully adhered
Expanded Polystyrene (EPS)	✓	1.5 lb (42 g./cubic cm) density
Mineral Wool	N/A	
Asphaltic Cover Boards	✓	
<b>Direct Recovery</b>		
<b>Asphalt Built-Up Roofs</b>		
Existing Smooth Surface Built-Up Roof (with no coating)	✓	Adhesion test required*
Existing Smooth Surface Built-Up Roof (with new asphalt glaze coat)	✓	Adhesion test required*
Existing Smooth Surface Built-Up Roof (with any type of coating)	✓	Adhesion test required*
Existing Gravel-Surfaced Built-Up Roof (over existing insulation)	✓	Loose gravel removed + new insulation and adhesion test required*
Existing Mineral-Surfaced Built-Up Roof	✓	Adhesion test required*
Existing Roof Insulation (after removal of existing roof)	✓	Contact GAF Technical Services

<b>SBS Modified Asphalt Roofs</b>		
Smooth SBS Ply – Base or Cap Sheet (with sand surfacing with no granules or coating)	✓	Adhesion test required*
Smooth SBS Ply – Base or Cap Sheet (with new asphalt glaze coat)	✓	Adhesion test required*
Existing SBS Modified Bitumen Roofs (with any type of coating)	✓	Adhesion test required*
Existing Mineral-Surfaced SBS Modified Bitumen Roofs	✓	Adhesion test required*
<b>APP Modified Asphalt Roofs</b>		
Smooth APP Ply – Base or Cap Sheet (with sand surfacing with no granules or coating; including Grace products)	✓	Adhesion test required*
Smooth APP Ply – Base or Cap Sheet (with polyethylene surfacing)	✓	Contact GAF Technical Services
Existing APP Modified Bitumen Roofs (with any type of coating)	✓	Adhesion test required*
Existing Mineral-Surfaced APP Modified Bitumen Roofs	✓	Adhesion test required*
<b>Coal Tar Built-Up Roofs</b>		
Gravel-Surfaced Coal Tar Pitch Roof	✓	1" ISO min. required Adhesion test required* Contact 3M for CR-20
Single-Ply Roof (TPO/PVC)***	N/A	
EPDM Roof <sup>f***</sup>	N/A	

**LRF-M (For adhering both membrane & insulation)**

**LRF-O (For adhering membrane only)**

**OlyBond® (For adhering insulation only)**

**3M CR-20 (For adhering insulation only)**

**Refer to product data sheets for uses and application**

✓ (Acceptable) N/A (Not Acceptable)

\*Adhesion test: An adhesion test is required to ensure substrate and adhesion quality.

\*\*Contact GAF Technical Services at 800-766-3411 when using LRF in conjunction with a base sheet installation.

\*\*\* The use of low-rise foam adhesives directly over an existing single-ply or EPDM membrane is not acceptable by GAF. LRF-M, OlyBond®, and 3M CR-20 adhesives can be utilized to attach new insulation/cover board to existing adhered polyiso that has had its facer removed during the removal of an adhered single-ply roof system.

## PERIMETER SECUREMENT TABLE

Building Width	Building Height	Area Width	Adhesive Bead Spacing
<200' (61 m)	0-34' (0-10 m)	5' (1.5 m)	6" (152 mm)
	35'-100' (10-30 m)	10' (3 m)	6" (152 mm)
	>100' (30 m)	<b>Formula:</b> Perimeter area width is throughout the perimeter and corner region. The width of this region is defined as the least of the following two measurements: 0.1 x Building Width or 0.4 x Building Height  <b>Note:</b> The minimum width is 5' (1.5 m)	

### Note:

- FM Global attachment requires the Formula calculation.
- Adhesive ribbons must be applied at a width of 1" (25 mm).