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protect
what
matters
most™

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

From: Technical Services Department

No: TAB-C-2011-05

Subject: Insulation Adhesives

What Adhesives Can Be Used To Adhere Insulation?

- **Hot Asphalt**
 - *Type III or Type IV*
- **Urethane Adhesive**

Hot Asphalt... ...Which Insulation? ...What Substrate? ...How Much?

- Isocyanurate or perlite insulation; DO NOT use with extruded or expanded polystyrene insulation
- Suitable substrates include: structural concrete, aged gypsum concrete, fiberglass base sheets and existing asphaltic roofing systems
- Apply to the substrate at the rate of **25 lbs per sq (100sf) ± 20%**

Urethane Adhesives... ...Which Ones? ...How Much?

The following insulation adhesives may be used in GAF roofing systems...

- **OlyBond 500™**
- **OlyBond 500™ SpotShot**
- **LRF-O**
- **LRF-M**

Dispense Low-Rise Foam Adhesive... products in 12" (305 mm) on center ribbons in the field on the roof.

Urethane Adhesives... ...Which Insulations? ...What Substrate?

Suitable substrates include...

- Structural concrete
- Aged gypsum concrete
- Lightweight cellular concrete
- Existing smooth or mineral surfaced asphaltic roofing systems
- GAFGLAS® and RUBEROID® base sheets

Suitable insulations include...

- Isocyanurate
- Expanded polystyrene
- DensDeck® and SECUROCK® gypsum boards

Installation Tips

Do not...

- Install expanded or extruded polystyrene insulation with hot asphalt
- Install extruded polystyrene insulation with urethane adhesives

Maximum board size... for installation with either hot asphalt or urethane adhesive is 4' x 4' (1.2 m x 1.2 m) unless otherwise indicated. This helps ensure that the entire board is set well into the adhesive or the hot asphalt while it is still hot.

Insulation boards... should be walked in immediately after installation to ensure a good bond. Urethane adhesives should be walked in for 5-7 minutes to ensure adhesion.

Where Can I Get More Information?

GAF Technical Services Can Assist You... with these and other questions you may have regarding your new roof installation. GAF Technical Services can be contacted at **800-ROOF-411** (800-766-3411). Also, 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.