

TECHNICAL ADVISORY BULLETIN

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

From: Technical Services Department

Subject: Guidelines for Low-Rise Foam Canister Applications



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Issued Date: 08/15/2017

Revised Date: xx/xx/20xx

No: TAB-C-2017-41

What Is The Concern?

Low-Rise Foam (LRF) canister application errors can be easily avoided by remembering to follow guidelines provided by the manufacturer. Installation instructions are published with the product and are key to successfully applying LRF from canisters (tanks, cylinders, kits) for insulation board and fleece-back membrane installation.

Guidelines For Low-Rise Foam Canister Applications

GAF recommends... following the guidelines below when applying LRF from canisters:

- Comply with all applicable environmental health and safety (EHS) regulations.
- **Canisters MUST be left in the boxes with lids closed during usage.**
- **Canisters MUST be in an upright position** while dispensing adhesive.
- **Shake each canister (both Part A and Part B) for a minimum of one (1) full minute** prior to use to help mix chemicals inside the canisters.
- Connect the appropriate hose to the canisters but do not over-tighten. Ensure that the valves are fully open. Clear air from hoses after turning on the canisters' valves.
- **A new hose/gun should be used with every new canister.** DO NOT reuse the hose/gun.
- When spraying is stopped for more than 1 minute, you **MUST** replace the mixing nozzle with a new one and clean the gun tip port area.
- On hot sunny days, keep the gun hose applicator as shaded as possible when not being used.
- **Ensure that the temperature of the LRF adhesive during application is between 70°F (21°C) and 90°F (32°C)** for optimal performance.
- Ensure that the ambient roof temperature during application is at least 40°F (4.4°C) and rising.
- When not in use, keep the canisters stored in a cooler shaded area on hot days and stored in a warmer area on colder days.
- **Empty canisters should be depressurized** for proper disposal per local regulations.

- **Tip extenders are for insulation bead attachment ONLY.** DO NOT use this tip with the "spatter method" of application.
- **Insulation should be attached in beads ONLY.** Maximum board size is 4' x 4' (1.2m x 1.2m).
- Insulation boards can be placed immediately on the wet adhesive, but must NOT walked into place immediately. **Follow the times in the LRF Canister Application table below before walking in the insulation boards.**

Additional Guidelines Specific To Insulation Application

LRF Canister Application	
Ambient / Deck Temperature	Time Before Walking In
40° – 60°F (4.4° – 15.5°C)	6 - 10 minutes
60° – 80°F (15.5°– 26.6°C)	3 - 6 minutes
80° – 100°F (26.6°– 37.7°C)	1 - 3 minutes

- **Boards that will not lay flat** due to cupping or warping of the boards or roof deck deflection should be discarded or have weights placed to flatten them until adequate adhesion has taken place.
- **Avoid roof traffic for at least 10-20 minutes on insulation boards** to allow insulation to properly adhere.
- Fleece-back membrane should be attached in **“spatter method” of application ONLY.**
- **When spraying adhesive in the “spatter method” of application to adhere single-ply fleece-back membranes (especially on hot days),** use multiple canisters working together at one time. This is so the freshly sprayed adhesive does not cure too quickly on the substrate to which the fleece membrane is to be adhered.
- Once the fleece-back membrane has been rolled on to the adhesive, **use brooms to flatten out any air pockets or areas not lying flat, and then roll with a weighted roller.**
- **Before heat welding the seam areas,** allow the fleece-back membrane to properly adhere to the adhesive.

***Additional Guidelines
Specific To Fleece-Back
Membrane Application***

***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.