

GAF SPF Flashing

Spray Polyurethane Foam

Description:

GAF SPF Flashing Foam is a two-component, closed-cell, low-pressure, solvent-free polyurethane foam spray designed to fill and insulate penetrations and voids. GAF SPF Flashing Foam contains low-GWP (global-warming potential) propellants, no HFC, has been tested to ASTM E84 (FSI of 5 and SDI of 450 at 2" thickness) and provides an R-value of 6.6 at 1" thick and 13.2 at 2" thick (unaged).

Features and Benefits:

- Ideal for cold-storage roof detailing to help air-seal roof-to-wall transitions and roof penetrations
- Excellent adhesion properties can help create a continuous air barrier along the building envelope
- Flashing foam that expands in gaps and cracks around penetrations to help insulate and prevent air leakage
- Dispensing nozzle changes color to indicate that Part A & Part B temperatures are above the 70°F required tank-install temperature

Application:

- The substrate must be clean, dry, firm, and free of loose particles, and free of dust, grease, and mold-release agents
- Substrate temps should be 40°F – 100°F degrees (4°C – 38°C)
- Protect surfaces not to be foamed
- Read full application instructions at gaf.com before using or installing this product.

Storage and Precautions:

- Close cylinder valves when not in use
- Do not store cylinders at temperatures below 60°F (10°C), and do not store full cylinders above 100°F (38°C) or partially used cylinders above 90°F (32°C). Kits stored below 70°F must be given sufficient time (1 – 2 days) for the chemical to warm up to 70°F – 85°F (21°C – 29°C). See TDS chart for formula-specific temperature recommendations.

Keep the used nozzle on the dispensing unit when storing between uses, and replace with a new nozzle when ready to use the unit again.

SAFETY NOTE: Always engage the trigger safety and close all supply valves during storage.

All dispensing-unit nozzles are easily cleanable and solvent-resistant. To clean nozzles, dissolve Part A and Part B residue before it completes its chemical reaction by flushing the nozzle with an acetone cleaner. Gun face can be kept clean with petroleum jelly on the face or by using a soft cloth to remove residue.

Do not remove hoses from cylinders. Do not flush/clean hoses with air, water, or solvent. Removing and/or cleaning hoses may compromise the foam.

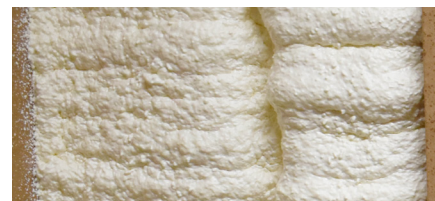
To reuse dispensing unit after storage:

1. Remove the used nozzle.
2. Check the face of the dispensing unit to make sure the outlet ports are clear and the face of the unit is free from dirt, chemical, and other debris. If necessary, use a soft cloth or rag to remove any cured foam or chemical from the nozzle of the dispensing unit. Use of petroleum jelly (included) is recommended to cover the nozzle of the unit in order to prevent further contamination, or if chemical is accidentally leaked into this area.
3. Shake kit or cylinders for at least 1 minute to ensure proper mixing. Parts A and B should be between 70°F and 85°F (21°C and 29°C) during installation. See instructions for more details.
4. Fully open all supply valves.
5. Dispense into waste container to verify that Part A & Part B are being dispensed in equal streams.

The dispensing unit is disposable and not designed for prolonged storage or continuous re-use. To help extend storage life, it is recommended to dispense a minimal amount of Part A & Part B from the unit at least once every three (3) days to ensure optimum flow of chemical through hoses.

6. Use contents within 30 days of opening.

Coverage:



Good Part A/Part B ratio

- Beige
- Quick rise; firm to touch after cure



Too much Part A

- Yellowish
- Slow to rise (no reaction); runny after cure



Too much coverage/Too much Part B

- Off white
- Very fast reaction/skin over; soft, flexible foam after cure

NOTE: Contains hydrofluoroolefin (HFO).



Specifications

	Test Standard	Results	
Density*	ASTM D1622	■ Free Rise — 1.75 lb./ft. ³ (28.0 kg/m ³) ■ Density In-place — 2.10 lb./ft. ³ (35.2 kg/m ³)	
Tack-Free/Expansion Time	–	30 – 60 seconds	
Cuttable	–	10 minutes (estimate) [†]	
K-factor	ASTM C518	Initial	Aged 180 days @ 70°F (21°C)
		■ 0.152 BTU in./ft. ² •h•°F at 1" thickness ■ 0.076 BTU in./ft. ² •h•°F at 2" thickness	■ 0.169 BTU•in./ft. ² •h•°F at 1" thickness ■ 0.085 BTU•in./ft. ² •h•°F at 2" thickness
R-Value	ASTM C518	Initial	Aged 180 days @ 70°F (21°C)
		■ 6.6 at 1" thickness ■ 13.2 at 2" thickness	■ 6.1 at 1" thickness ■ 11.7 at 2" thickness
Air Barrier Properties Tested at 1" Thickness @1.57 psf (75 Pa)	ASTM E283 Modified	<0.003 cfm/ft. ² (<0.02 L/s/m ²)	
Perm Rating — 1.5" Thick	ASTM E96 (Method A)	1.4 perms — Class III Vapor Retarder	
Closed-Cell Content	ASTM D2856	> 90%	
Air Permeance @ 1.57 psf (75 Pa)	ASTM E2178	0.0008 cfm/ft. ² (0.004 L/s/m ²)	
Fungi Resistance	ASTM G21	No growth	
Compressive Strength	ASTM D1621	24.2 lbf/in. ² (167 kPa) Parallel	
Tensile Strength	ASTM D1623	40.3 lbf/in. ² (278 kPa) Parallel	
Dimensional Stability			
70°F (22°C) & 50% R.H. / 28 days	ASTM D2126 (% volumetric change)	±5	
-4°F (-20°C) / 28 days		±5	
158°F (70°C) & 97% R.H. / 28 days		+0.96	
Water Absorption	ASTM D2842	0.83%	
VOC Content	EPA Method 24 (Calculated)	<37 g/L (mix using US EPA Test Method 24)	
Surface Burning Characteristics — Tested at 2" Thickness.	ASTM E84	■ Flame Spread Index 5	■ Smoke Developed 450
Surface Burning Characteristics — Tested at 4" Beads	CAN/ULC-S102	■ Flame Spread Index 20	■ Smoke Developed 60

Packaging and Coverage Rates

Coverage Rate	■ Up to 3,065 linear ft. @ 1" bead [‡] ■ Up to 766 linear ft. @ 2" bead [‡] ■ Up to 200 Bd. Ft.
Part A & Part B Storage Temperature	Optimum 70°F – 85°F (21°C – 29°C) but not <60°F (16°C) or >90°F (32°C)
Product Install Temperature	Tanks must be between 70°F – 85°F (21°C – 29.4°C) [†]
Ambient/Surface Install Temperature	40°F – 100°F degrees (4°C – 38°C)
Cured Foam	-200°F to +240°F (-129°C to +116°C)
Shelf Life	24 months from date of manufacture
Package Weight	40.4 lb. (18.3 kg)

* Yield is based on free-rise density. We state our core density/free-rise density when describing the foam. Applying foam into a cavity may result in higher in-place densities due to packing effects. These higher densities may result in lower yields.

[†] Prior to application, store for approx. 36 to 72 hours at room temperature.

[‡] When installed in accordance with GAF's application instructions. Results may vary depending upon application temperature range, porosity of substrate

NOTE: Values stated are approximate and may vary based on ambient temperature. These values are not guaranteed and are provided solely as a guide.



Visit [gaf.com](https://www.gaf.com)

We protect what matters most™

