Product Data Sheet

Coming Soon

Product Name

Item Description	Item Number
Flashing Foam 115 Kit:	
Flashing Foam 115 Part A (Included in Kit)	W56RACIAFFPA
Flashing Foam 115 Part B (Included in Kit)	W56RACIAFFPB
Flashing Foam 340 Kit:	
Flashing Foam 340 Part A (Sold Separately)	W56RACIASFFLA
Flashing Foam 340 Part B (Sold Separately)	W56RACIASFFLB

Description

GenFlex Flashing Foam is a low pressure, high density, two-component spray polyurethane foam. Flashing foam may be used to fill voids around penetrations, wall/roof perimeters, and other gaps where fill may be needed. Flashing Foam is designed for applications where a high compressive strength foam is required.

Flashing Foam is designed for sealing and cold storage applications where flutes of steel decking and wall to deck transitions require additional thermal protection. Flashing Foam may be used on cold storage projects and on new construction projects to fill deck flutes to the wall intersection. It may also be used to fill 1-2" gaps between the roof insulation and the wall as well as up to 12" around penetrations, curbs, etc. This application helps prevent air moving through the roofing system around roofing perimeters or penetrations allowing better air control within the system and building envelope.

NOTE: ASTM E84 – Conforms to the requirements of ASTM E84 and is classified as a Class 2 (A) material. Tested at 2" (50.8 mm) thickness.

Product Preparation

1. Substrates to receive Flashing Foam must be clean, dry, firm, free of loose particles, free of dust, grease, and mold release agents.
2. Protect/cover surfaces from unwanted application of Flashing Foam.
3. When spraying a Flashing Foam dispensing unit for the first time or when starting a new kit, it is recommended to trigger the gun only 1/4 to 1/3 open, until the desired output is achieved.
4. Condition Flashing Foam to 75-85 °F (24-29 °C) before dispensing. Follow instructions for set-up found in the application instructions.

Method of Application – Foam 115

1. Shake kit for at least 1 minute before use to ensure proper mixing.
2. Flashing Foam temperature should be between 70–85 °F (21–29 °C) during dispensing.
3. Push in and pull top of kit back panel to open. Pull down carton flap to access dispensing unit hose assembly. Remove nozzle packet and read instructions.
4. Remove gun hose assembly and attach hoses to cylinders. Thread **red coded hose to A-component cylinder** and **black coded hose to B-component cylinder** and tighten with a wrench to ensure a strong connection.

Method of Application – Foam 115 (Continued)

5. Open top flap of box to expose cylinder valves. Attach the hose assembly to applicable valve.
6. Open the cylinder valves completely by turning the valve controls COUNTER CLOCKWISE. The kit top flap may be removed or left in place during use or storage.
7. NOTE: For ease of use & efficiency, keep both cylinders inside the single-package 115 kit during setup & use.

Method of Application – Foam 340

1. Shake each cylinder for at least 1 minute before use to ensure proper mixing.
2. Flashing Foam temperature should be between 70–85 °F (21–29 °C) during dispensing.
3. Thread **red coded hose to A-component cylinder** and **black coded hose to B-component cylinder** and tighten with supplied 9/16" wrench to ensure a strong connection.
4. Open the valves completely by turning the valve controls COUNTER CLOCKWISE.
5. Keep cylinder upright during use.

Method of Application – Attaching Nozzle

1. Before attaching nozzle, apply petroleum jelly on face of the gun.
2. Insert bottom tab of nozzle into bottom slot of the gun.
3. Attach top nozzle latch by pushing towards back of gun, until an audible “snap” is heard.
4. After attaching nozzle, spray a “test shot” into a waste container to ensure equal parts A- and B-components are properly dispensing, and confirm the foam is curing.
5. Unit is ready to use.
6. To remove used nozzle, push top latch up and forward to unsnap.
7. Replace nozzle when spraying is interrupted for more than 30 seconds.

Method of Application – Spraying Flashing Foam

1. Use only in a well-ventilated area with certified respiratory protection or a powered air purifying respirator (PAPR).
2. Wear protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure.
3. For best results, use when Flashing Foam temperature is between 70–85°F (21–29°C).
4. Clean grease, oil, dirt, and water off surfaces to receive Flashing Foam.
5. Shake cylinders for at least 1 minute before use.
6. Fully open both cylinder (A & B) valves.
7. Attach nozzle to the gun; Apply petroleum jelly (provided) on the face of the dispensing gun before attaching nozzle to help prevent contamination by cured foam or chemical and help keep the sealing ports clean.
8. When spraying a dispensing unit for the first time, and with each new kit, dispense foam by squeezing the trigger **only 1/4 to 1/3 open until desired output is achieved**.
9. Once the trigger is released it **MUST BE REACTIVATED WITHIN 30 SECONDS** or a new nozzle must be installed. Failure to do this could result in chemical leakage, spills or splashes which can ruin the dispensing unit and/or hoses.
10. **IMPORTANT:** After releasing trigger, activate the gun’s trigger safety to prevent unwanted/accidental discharge.
11. **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.**

Storage

- Store in a dry area. Do not expose the kits or cylinders to open flame or temperatures above 90°F (32°C).
- Excessive heat can cause premature aging of components resulting in a shorter shelf-life.
- Keep cylinders out of direct sunlight.
- Close cylinder valves after use.
- Do not store full cylinders at temperatures above 100 °F (38°C) (partial or used cylinders above 90 °F [32 °C]) (or below 50 °F (10 °C). Kits stored below 70 °F must be given sufficient time (1-2 days) for the Flashing Foam to warm up to 70–85 °F (21–29 °C).
- A used nozzle should be left on the dispensing gun during storage to help keep the outlet ports of the dispensing unit clean and free from any dust, dirt or chemical that can affect the proper sealing of the nozzle.
- **SAFETY:** Always engage the gun's trigger safety and close all supply valves during storage.
- **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.**

Reuse Dispensing Unit After Storage

- Remove the used nozzle from gun.
- Check the face of the gun to make sure both outlet ports are clear, and the face of the gun is free from dirt, chemical or other debris. If necessary, use a soft cloth or rag to remove any cured foam or chemical from the face of the gun. Use of supplied petroleum jelly is recommended to cover the face of the gun to prevent further contamination or if chemical is accidentally leaked into this area.
- Shake kit or cylinders for at least 1 minute to ensure proper mixing. Typically, Part A and Part B should be between 70–85°F (21–29°C) when dispensed.
- Fully open all cylinder valves.
- Dispense into waste container to verify that Part A and Part B are being dispensed in approximately equal streams.
    - The dispensing units are disposable and not designed for prolonged storage or continuous re-use. To help extend the storage life, it is recommended to dispense a minimal amount of Flashing Foam from unit at least once every three (3) days to ensure optimum flow of Part A and Part B through respective hoses. Use contents within 30 days from initial use is recommended.

Disposal

- Refer to SDS (Section 13) for instructions.
- Always dispose of empty cylinders in accordance with applicable local/regional/national/international regulations.

Shelf Life

12 Months when stored between 75-85 °F (24-29 °C) and out of direct sunlight.

Precautions

- Refer to Safety Data Sheet (SDS) for additional health and safety information.
- Recommend using in a well-ventilated area with certified respiratory protection or a powered air purifying respirator (PAPR).
- Wear protective glasses with sides shields or goggles, nitrile gloves, and clothing that protects against exposure. Dispense in a well ventilated area with certified respiratory protection or a powered air purifying respirator (PAPR). Read all instructions and SDS prior to use.
- **FOR PROFESSIONAL USE ONLY.** Always check the local building code before use. Cured low pressure polyurethane foam is non-toxic and inert.
- The product is not resistant to UV rays, if left exposed the product should be coated or painted.

Precautions (Continued)

- Proper temperature plays a critical role in the performance of any two-component polyurethane foam system. Chemical temperature, ambient air temperature and substrate temperature will affect system performance.
- If the Part A and Part B within cylinders are not at the proper temperature, they may dispense in an improper ratio, leading to poor quality foam.
- **NOTE: It may take from several hours to several days for Part A and Part B to reach the proper dispensing temperature. This is especially true if the product has been recently shipped or stored in colder temperatures.**
- For best results, substrates to receive Flashing Foam should be 80-100 °F (27-38 °C), as this will improve both the adhesion of the foam and allow for proper expansion of the foam. Colder substrate will act as a heat sink, removing the heat generated from the exothermic reaction of Flashing Foam during cure. This may reduce expansion, flowability and performance.

Ventilation Guidelines

- Ventilating the area where the application of Flashing Foam is being applied will help control worker exposure to airborne contaminants.
- Restrict entry for anyone not wearing personal protective equipment (PPE), or not involved in the application, all non-essential personnel should leave the spray area during application and not return to the job site for one hour after completion of spraying.

Application Temperature Guidelines	
Condition	**Temperature**
Chemical Storage Temperature	Optimum 75-85 °F (24-29 °C) but not < 60°F (16 °C) or > 90 °F (32 °C)
Outside Application Temperature	40-100 °F (4-38 °C)
Process Core Chemical Temperature	75-85 °F (24-29 °C)
Surface Temperature (Substrate)	40-100 °F (4-38 °C)
Cured Foam	-200 °F to +240 °F (-129 °C to +116 °C)

TYPICAL PROPERTIES		
Properties	**Test Method**	**Results**
Density (Free Rise)	ASTM D1622	3.10 lbs/ft^3 (50 kg/m^3)
K-factor (Initial)	ASTM C518	0.164 BTU·inch/ft^2·h·°F
R-Value (Initial) R-Value (Aged 90 days at 140°F (60°C))	ASTM C518	6.5 at 1 inch thickness 5.2 at 1 inch thickness
Compressive Strength	ASTM D1621	40 lbf/in^2 (275 kPa) Parallel
Dimensional Stability	ASTM D2126	+/- 5%
Tack-Free/Expansion Time	Tack-Free/Expansion Time	30-60 seconds
Closed-Cell Content	ASTM D2856	95%
Cuttable	---	2-5 minutes
Tensile Strength	ASTM D1623	40 lbf/in^2
Fire Rating (Tested at 2" Thickness)	ASTM E84	Flame Spread Index 15 Smoke Developed 450
Permeability @ 1" Thickness @ 2" Thickness	ASTM E96	 1.37 Perms - Class III Vapor Retarder 1.19 Perms - Class III Vapor Retarder

TYPICAL PROPERTIES (Continued)

Properties	Test Method	Results
Water Vapor Transmission @ 1" Thickness @ 2" Thickness	ASTM E96	 0.39 g/hr·m² 0.34 g/hr·m²
VOC Content	EPA Method 24 (Calculated)	<25 g/L (when mixed as intended)
Fungi Resistance	ASTM G21	No Growth

COVERAGE AND YIELD*

Kit	Volume of Dispensed Flashing Foam	Linear Feet (1" diameter (25.4 mm) bead)	Linear Feet (2" diameter (50.8 mm) bead)	Board Feet
115	9.6 ft^3 (0.27 m^3)	1,768 ft (538.9 m)	442 ft (134.7 m)	115 BF
340	28.3 ft^3 (0.8 m^3)	5,218 ft (1,590.4 m)	1,305 ft (397.7 m)	340 BF

*Coverage based on Flashing Foam dispensed at 3.1 lbs/ft^3 (49.7 kg/m^3) density.

PACKAGING AND COMPONENTS

Kit	Part Number	Weight	Components	Accessories Included
115	W59RACIAFFPA*	41 lb (18.6 kg)	1 Part A*	Kit Includes: ▪ 1 – Hose Set: 9.5’ Long ▪ 1 – Dispensing Gun ▪ 8 – Dispensing Nozzles ▪ 1 – 9/16” Wrench ▪ 1 – Petroleum Jelly Pack ▪ 1 – Instruction Sheet
	W59RACIAFFPB*		1 Part B*	
	*Both included in 115 kit			
340	W59RACIASFFLA**	115.7 lb (52.5 kg)	Part A**	Part A Includes: ▪ 1 – Hose Set: 25’ Long ▪ 1 – Dispensing Gun ▪ 8 – Dispensing Nozzles ▪ 1 – 9/16” Wrench ▪ 1 – Petroleum Jelly Pack ▪ 1 – Instruction Sheet
	W59`RACIASFFLB**		Part B**	
	**Sold Separately			

Please contact Amrize Technical Services at 800-428-4511 for further information.