700 ARMOR FLASH-SPF

TECHNICAL DATA SHEET

MIAMI-DADE COUNTY APPROVED

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Density Free Rise (ASTM D1622)	3.10 lbs/ft3 (50 kg/m3)
K-Factor Initial (ASTM C518)	0.164 BTU·inch/ft2·h·F
R-Value Initial (ASTM C518) Aged 90 days at 140°F (60°C)	6.5 at 1 inch thickness 5.2 at 1 inch thickness
Compressive Strength (ASTM D1621)	40 lbf/in2 (275 kPa) Parallel
Dimensional Stability (ASTM D2126)	+/- 5%
Tack-Free/Expansion Time	30-60 seconds
Closed-Cell Content (ASTM D2856)	95%
Cuttable	2-5 minutes
Tensile Strength (ASTM D1623)	40 lbf/in2
Fire Rating (ASTM E84) Tested at 2" Thickness	Flame Spread Index 15 Smoke Developed 450

TEMPERATURE GUIDELINES

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)

VOC: <25 g/L (regulatory)

DESCRIPTION:

APOC® ARMOR FLASH-SPF is a two-component, low pressure, high density spray polyurethane foam. It is ideally suited for roofing repairs or any application where foot traffic is expected and a high compressive strength foam is required. The smoother surface finish reduces the need for extra coating layers or secondary smoothing of the foam surface prior to coating application. It is also ideally suited for for repairing blisters on existing SPF roof systems. The blister can be cut out and this highly portable and lightweight two-component kit makes this process cost affective and easy. **This product is formulated utilizing an HFO blowing agent which is part of our ongoing commitment to developing foam chemistries with lower global warming impact and enhanced product performance.**

PREPARATION:

Substrate must be clean, dry, firm, free of loose particles, and free of dust, grease and mold release agents. Protect surfaces not to be foamed. Read SDS, Operating Instructions, and Product Stewardship Guidelines. For additional information go to www.APOC.com.

APPLICATION:

Condition chemical to 75-85°F (24-29°C). Follow instructions for set-up found in the operating instructions.

NOTE: FOR PROFESSIONAL USE ONLY. Always check the local building code before use. Cured low pressure polyurethane foam is non-toxic and inert.

STORAGE & HANDLING PRECAUTIONS:

Recommend using in a well-ventilated area with certified respiratory protection or a powered air purifying respirator (PAPR). Wear protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure. Read all instructions and SDS (Section 8) prior to use of any product.

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.

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

COMPATIBILITY:

Cured low pressure polyurethane foam is chemically inert and non-reactive in approved applications, and will not harm electrical wire insulations, extruded polystyrene foams, Romex , rubber, PVC, polyethylene (i.e. PEX) or other plastics. The product is not resistant to UV rays, if left exposed the product should be coated or painted.

WARRANTY & DISCLAIMER:

Register your warranty for extended warranty terms within 60 days of the completion of the project at www.apoc.com/pages/warranty. APOC Roofing Systems, LLC hereby warrants to the original purchaser, contingent upon original proof of purchase, that this product will be free from any defects that may materially and adversely affect the product's performance for a period of one year from the date of original purchase.

YIELD

	WEIGHT	BOARD FEET	CUBIC FEET
AP-700-115	41 lbs.	115 (10.7 m2)	9.6 ft3 (.27 m3)

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