



IAPMO EVALUATION NUMBER:
IAPMO UES ER-639

FLORIDA BUILDING CODE
BUILDING PRODUCT APPROVED

MIAMI-DADE COUNTY
APPROVED

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Density ASTM D1622	1.70 lbs/ft ³ (27.23 kg/m ³)
Compressive Strength ASTM D1621	8.6 psi (59.29 kPa) Parallel
Tensile Strength ASTM D1623 ICC-ES AC152 Long Term Aging	25 psi (172.37 kPa)
Water Absorption ASTM D2842	3.2%
Moisture Vapor ASTM E96 Transmission	2.8 perms
Dimensional Stability (@ 70°C (158°F) 2 Weeks)	+/- 5%
Closed-Cell Content ASTM D2856	95.3%

PROPERTIES	STANDARD
Rise Time	2-16 seconds <i>(dependent on ambient temp.)</i>
Mixing Nozzle Working Time	30-60 seconds
Gel Time	2-5 minutes
Set-up Time (Tack Free)	5-8 minutes
Cure Time	24 hours

TEMPERATURE GUIDELINES	
Chemical Storage Temperature	45-95°F (7-35°C)
Outside Application Temperature	>50°F (>10°C)
Process Core Chemical Temperature	65-95°F (18-35°C)

VOC: <5 g/L (regulatory)

DESCRIPTION:

APOC 705 Polyset RTA-1 Roof Tile Adhesive is a one-component, multipurpose polyurethane roof tile adhesive sealant specifically designed to bond concrete and clay roofing tiles to approved underlayment on new construction and repair work. The unique product properties, improved performance and professional dispensing unit gives RTA-1 many advantages over the use of traditional fastening methods such as mortar, nails, screws, or other one-component adhesives. 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 or sharp edges that may interfere with the placement and complete contact of material being installed. Protect surfaces not to be foamed. Read SDS, Operating Instructions, and Product Stewardship Guidelines. For additional information visit www.APOC.com.

APPLICATION:

Optimum temperature for use is between 65-95°F (18-35°C).

1. Wear protective glasses or goggles, nitrile gloves and clothing that protects against dermal exposure. Use only in a well ventilated area.
2. All surfaces must be free from oil, dirt and other foreign objects.
3. Shake can vigorously for one minute before use.
4. Screw nozzle adapter onto valve stem, being careful not to activate valve.
5. With valve end of can down, slowly press trigger to dispense foam. Test on experimental surface.
6. Do not puncture, incinerate or store at temperatures over 122°F (50°C).
7. Store upright in a dry area.
8. Leave nozzle on can. To reuse, cut 1 in. (3 cm) off nozzle tip.

COVERAGE RATE:

31 tiles per 24oz can. Theoretical installed tiles per package based on low profile tile.

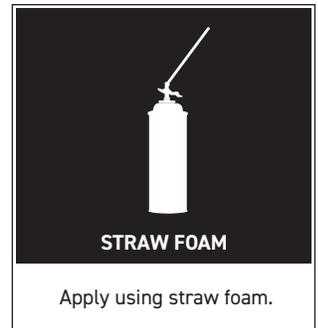
STORAGE & HANDLING PRECAUTIONS:

Store in a dry area. Chemical storage temperature is 45-95°F (7-35°C). Excessive heat can cause premature aging of components resulting in a shorter shelf-life. Do not allow material to freeze. DISPOSAL: Refer to SDS (Section 13) for instructions. Always dispose of empty cylinders in accordance with applicable local/regional/national/international regulations.

PRECAUTIONS:

Irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. Cured foam is combustible and may present a fire hazard if exposed to flame or temperatures above 240°F (116°C). KEEP OUT OF REACH OF CHILDREN.

Do not handle until all safety precautions have been read and understood. Product is extremely sticky and difficult to remove from all surfaces. Do not puncture, incinerate, or store container above 122°F (50°C). Avoid contact with eyes and skin. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective glasses or goggles, nitrile gloves, and clothing that protects against exposure. Only use in a well-ventilated area or with proper respiratory protection. SEE SAFETY DATA SHEET.



PERSONAL PROTECTIVE EQUIPMENT



EYEWEAR



PROTECTIVE
CLOTHING



GLOVES

WARRANTY AND DISCLAIMER:

APOC warrants product to be free of material defects for a period of 1 year, the "Warranty Period", from the date of purchase. Product must be applied in accordance with the proper application procedures, and for the intended use as stated on the label. Proper preparation and drying conditions must be observed to achieve correct results. Should a product not perform as stated, APOC shall, within its sole discretion and upon receipt of purchaser's timely written notice within the Warranty Period, provide replacement product to repair the affected area or prorate a portion of the purchase price of the defective product based on the claim period. This limited warranty does not cover labor or installation costs, consequential damages or incidental damages. Under no circumstances will the company be liable for any amount in excess of the product purchase price. Contact company below to request a refund with purchase receipt. There are no warranties which extend beyond the description on the face hereof. THIS LIMITED WARRANTY IS THE SOLE WARRANTY PROVIDED BY APOC TO THE PURCHASER. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE PROVIDED WITH THIS PRODUCT.