



COMPLIANCE: Exceeds performance requirements of ASTM D3019, TYPE III.

DESCRIPTION: APOC® 139 Flex-Shield® Rubberized Adhesive & Coating is a unique rubberized coating and adhesive designed for sealing and waterproofing a variety of surfaces. This product, when cured, forms a tough, flexible and elastic coating and bonding adhesive. Uses include protective coating applications for new and existing roof systems, bonding roof plies in built-up systems, Mod-Bit adhesive and for sealing of below grade foundations and concrete walls.

PREPARATION: Download the APOC APP for detailed installation instructions, videos, tips specifications, product handling and Safety Data Sheets. Completely read all application instructions and check weather conditions prior to starting any work. All surfaces must be dry and free of loose gravel, dirt, dust, oil and other debris. It is recommended that gravel surfaced asphalt roofs be primed using an asphalt primer. **STIR BY HAND OR POWER MIXER BEFORE USING.** Apply to roofs in structurally sound condition.

FOR BEST RESULTS: For maximum performance, APOC 139 Flex-Shield requires a top coating of either gravel, granules or compatible APOC reflective roof coating. APOC 139 Flex-Shield must age a minimum of 60 days and sometimes longer before applying reflective coatings. In colder weather, product should be stored at ambient temperatures (65 °F to 80 °F) at least 24 hours prior to application. This will allow for easier application of product.

FALL PROTECTION WARNING: Always use personal fall protection devices and follow procedures in accordance with OSHA and local regulatory requirements when walking or working on roofs. Use safety equipment such as tie-offs, safety lines, body harnesses, toe boards and ladders. Dusty, damp or wet conditions, as well as certain shoes can result in slippery surfaces and create a fall hazard. Always be cognizant of where you are in relation to your surroundings including but not limited to: the edge of the roof, any projections, skylights and any other objects which could cause you to slip or fall. Falling from a roof can result in serious harm or death.

APPLICATION: Clean and remove all loose rock, gravel or other loose material on roof surface. Prime as needed. Use only in exterior, well ventilated areas. Apply directly from the container. Do NOT Heat or Thin. Follow recommended safety precautions. Unused material should be resealed in its original container with legible label. Disposal of unused materials and containers must be in accordance with applicable Federal, State and local regulations. Clean hands with waterless hand cleaner. Follow published APOC specifications (www.apoc.com) for individual job requirements. Avoid foot traffic once applied. The manufacturer also disclaims liability for flat surface application where poor drainage or ponding of water may prevail.

APPLICATION METHOD: Use a smooth blade squeegee on gravel surfaces and a brush or notched lade squeegee for smooth/granular surfaces. Work material back and forth ensuring all pinholes are sealed. If a second coat is required, apply perpendicular to first coat. Application to roof with slopes of 1/8" in 12 or greater may cause material to run or drip. For roofs with slope greater 1/8" in 12, reduce application rate as required. Test prior to application.

COVERAGE RATE: (May vary depending on texture of surface) ADHESIVE: 1 - 1.5 gal. per 100 sq. ft. Roof Coating: *Smooth/Granulated Surfaces = 3 - 5 gal. per 100 sq ft. Flat Gravel Roof Surfaces = 8 - 12 gal. per 100 sq ft. Foundation: 1 - 1.5 gal per 100 sq. ft. Multiple coats may be required.

CLEAN-UP: With paint thinner or mineral spirits.

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See SDS for more info

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Weight Per Gallon	7.6 - 8.0 lbs.
Solids by Weight	60 - 64%
Permeability (ASTM D1653)	< 5 Perms
Consistency	Squeegee, Brush or Roller
Surface Temperature	40 °F - 120 °F
Tensile Strength (ASTM D2370)	250 psi. min.
Elongation (ASTM D562)*	1200%
Flammability	105 °F
Skin Over (50% Relative Humidity, 70 °F)	4 - 8 hours
Full Cure (50% Relative Humidity, 70 °F)	90 days
Clean-up Tools	Paint Thinner, Mineral Spirits

*Note: Percentage may vary + or - 5%

Approx. Shipping Weights: (Note: All approx. weights include container)

1 gallon (3.78L)	9 lbs.
5 gallons (18.9L)	45 lbs.

VOC: 270 g/L (regulatory)

HANDLING PRECAUTIONS: Store product in the cargo area of vehicle, and secure on top of 6 mil plastic sheeting to prevent damage due to accidental spills or loosening of lids. Product safety information required for safe use is not included. Before handling, read product safety data sheets and container labels for safe use and for physical and health hazard information. Safety Data Sheets are available on the APOC website at www.apoc.com, the APOC APP, by contacting APOC at technicalinfo@apoc.com or calling (813) 248-2101.

LIMITED WARRANTY AND DISCLAIMER: To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact APOC to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied.

APOC Roofing Systems, Inc. (herein "APOC") hereby warrants to the original purchaser, contingent upon original proof of purchase, that this product will be free from any and all manufacturing defects that may materially and adversely affect the product's performance for a period of one (1) year from the date of original purchase ("Warranty Period"). 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 manufacturing defect materially and adversely affect this product's performance, APOC shall, within its sole discretion and upon receipt of Purchaser's timely written notice within the Warranty Period, provide replacement product(s) or refund the purchase price of the defective product. THIS LIMITED WARRANTY IS PURCHASER'S SOLE AND EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES, CONDITIONS, REPRESENTATIONS AND GUARANTEES, WHETHER EXPRESS OR IMPLIED, WHETHER BY STATUTE, AT LAW OR IN EQUITY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This limited warranty does not cover labor or installation costs, water damage, consequential damages or incidental damages. Under no circumstances will APOC be liable for any amount in excess of the product purchase price. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Direct all warranty claims in writing along with original proof of purchase to APOC, c/o Warranty Claims Department, P.O. Box 5449, Tampa, FL 33675. The exclusive venue for any legal action arising out of the purchase of this product or this warranty shall be had in a court of competent jurisdiction within Hillsborough County, Florida. Florida law shall govern. For additional Limited Warranty information, visit www.apoc.com/pages/warranty.