



MANTA #301 PROLASTIC ROOF CEMENT™ Product Information Sheet Multipurpose Plastic Roof Cement | Heavy Duty Mastic | FOR PROFESSIONAL USE ONLY

Product Overview:

Manta #301 is a scientifically engineered, all-climate roof cement designed for professional-grade reliability and ease of use. Crafted from select asphalts, reinforced mineral fibers, and refined solvents, this robust compound delivers a long-lasting, elastic, and waterproof barrier with exceptional adhesion. Upon curing, it forms a corrosion-resistant coating that performs outstandingly across diverse temperature and weather conditions.

Key Features & Applications

- **All-Climate Durability:** Maintains elasticity and integrity in extreme weather.
- **Superior Adhesion:** Forms a strong, lasting bond to a wide range of surfaces.
- **Waterproof & Corrosion-Resistant:** Provides a durable barrier against moisture and environmental damage.
- **Flexible, Long-Term Performance:** The cured coating adapts to temperature fluctuations, ensuring long-term performance.
- **Easy to Apply:** Blended to a robust consistency for seamless trowel application.
- **Versatile Repair Solution:** Ideal for patching leaks, cracks, and holes.

Intended Applications

- Repair leaks in shingles, concrete, metal, and asphalt roofing.
- Seal cracks in concrete and masonry.
- Repair areas around walls, chimneys, vents, downspouts, and cornices.
- Use as a joint filler for precast roof panels.
- Ideal for general maintenance and repair of exterior building structures.

Compatible Surfaces

Shingle Roofs, Concrete Roofs, Metal Roofs, Asphalt Roofs, Masonry (Concrete, Brick), Roof Details (Walls, Chimneys, Vents), Roof Panels.

Application Guidelines

- **Recommended Temperature:** Application temperature is between 40°F and 120°F.
- **Surface Preparation:** Ensure surfaces are thoroughly dry, clean, and free of oil, grease, dust, dirt, loose paint, or other contaminants. For applications below 40°F, ensure the substrate is entirely free of moisture and ice crystals. Do not use on wet surfaces.
- **Application Method:** Apply with a trowel to an average thickness of 1/8 inch. Press firmly into joints, seams, or cracks.
- **Reinforcement (3-Course Method):** When repairing large cracks/blisters, apply a base coat of Manta #301, embed reinforcing fabric (such as asphalt-saturated cotton or fiberglass membrane), and then apply a top coat to encapsulate the reinforcement completely.
- **Coverage Rate:** Approximately 8 gallons per 100 sq. ft at 1/8 in thickness. (Alternative estimate: approx. 12.5 sq. ft./gal).
- **UV Protection:** For longevity and UV protection, protect repairs with a reflective coating after they have cured for 30-90 days.

Technical Data

Property	Test Method	Result	Requirement (Type I)
Water Content (%)	ASTM D6511 / D95	1.1	≤3.0
Nonvolatile Matter (%)	ASTM D6511	75	≥70
Mineral Stabilizers (%)	ASTM D6511 / D4	21	15≤x ≤40
Bitumen (Asphalt) (%)	ASTM D6511 / D4	45	35≤x ≤65
Uniformity	ASTM D6511	Pass	Pass
Behavior at 140°F (Blistering)	ASTM D6511	Pass	Pass
Sagging or Sliding (in)	ASTM D6511	0	≤1/4 in
Pliability @ 32°F	ASTM D6511	Pass	Pass

Clean up the tools with mineral spirits. For hands, use a waterless hand cleaner.

Packaging Available in 3.5-gallon and 5-gallon containers.

Safety & Storage Precautions

- **DO NOT THIN the product.**
- **Safety:** Product is combustible; keep away from heat and open flames. Avoid inhaling solvent vapors.
- **Ventilation:** Cover air intakes during application and drying. Use in a well-ventilated area.
- **Storage:** Store in a cool, ventilated area, keeping the container tightly closed when not in use.
- **Restrictions:** Not for use on single-ply membranes.
- **Clean-up:** Tools are best cleaned with xylene, or paint thinner, mineral spirits, or a citrus degreaser may be used.
- **California Prop 65 Warning:** This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.
- **Emergency Call:** 1-800-424-9300 (Chemtrec).

For additional details, visit mantarroof.com. For the most current information and data, please consult our website. Prior to using this product, review the Safety Data Sheet, which is available on our website or by sending an email to info@mantarroof.com. ©2024 Manta Roofing Products U.S.A., LLC. All rights reserved. All printed information is accurate as of the time of publication and is subject to change without notice.

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