

MANTAMAX 335 Silicone Fibered Mastics Repair Patch

DESCRIPTION:

MantaMax 335 Silicone Repair Patch is a versatile, fiber-reinforced silicone mastic designed for permanent, direct-bond repairs on various roof surfaces. Its flashing grade formula ensures long-lasting durability even in harsh weather conditions.

FEATURES

- **Stand-alone solution:** No need for primers or top coats.
- Versatile Applications: Repairs punctures, cracks, fish mouths, and roof details.
- **Emergency Repairs:** Can be used in wet or underwater conditions.
- **Weather Resistant:** UV-stable, resists chalking, cracking, and peeling.
- **High-Performance:** Provides a durable and long-lasting repair.

COVERAGE

- 12-13 sq. ft. Per gallon applied 1/8" thick; additional material may be required when 3-coursing to saturate and encapsulate polyester fabric.

PRECAUTIONS:

- **Moisture Requirement:** MantaMax 335 requires atmospheric moisture to cure, making it unsuitable for totally confined spaces.
- **Weather Conditions:** Avoid application during heavy rain, hail, or snowfall within 4 hours.
- **Temperature Restrictions:** Store above 65°F (18°C) and avoid application on freezing substrates.
- **Ponding Water:** While MantaMax 335 can be applied over properly prepared surfaces with ponded water, the NRCA recommends avoiding ponding water in roof systems.
- **Application:** Apply as received, without dilution. Stir if settled.
- **Cleaning:** Thoroughly clean the roof surface before application, removing dirt, dust, oil, grease, wax, rust, chalky or loose paint, mildew, and other contaminants. Remove standing water.

PREPARATION:

- **Adhesion Tests:** Conduct adhesion tests to determine if a primer is needed for new flashing details, smooth/granulated modified bitumen, or built-up roofs. Use MantaPrime 235 Multipurpose Primer or MantaPrime 220 Bleed Block.
- **Fastener Inspection:** Replace loose, broken, or missing fasteners.

APPLICATION:

- **Thickness:** Apply between 1/8" and 1/4" thick using a brush, trowel, or gloved hand. Extend two inches on either side of fasteners or splits.
- **Multiple Applications:** Allow adequate curing time between applications.
- **Reinforcement:** Use polyester reinforcement for details with high movement potential. Ensure sufficient thickness to saturate and encapsulate polyester.
- **Drying Times:** Tack-free in 2 hours, dry to touch in 6 hours.

Drying time depends on temperature, humidity, and film thickness. Avoid voids, pinholes, cracks, or blisters in the final cured thickness.

- **Wet Conditions:** Apply additional pressure to ensure proper bonding in wet or underwater conditions. Inspect for entrapped water and redo repairs if necessary.

FINISHING:

- **Coating:** Allow MantaMax 335 to dry for approximately 6 hours before applying MantaMax 450 High Solids Silicone Coating. Avoid painting or covering with other products.
- **Equipment Cleaning:** Clean equipment with mineral spirits, toluene, or alcohol-based solvents. Avoid water.

WARRANTY

Manta Roofing Products warrants that the material supplied will meet or exceed the physical properties as published. The contractor guarantees that workmanship will be free of defects in coating application.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Mastic Paste
Skin Over Time	3/8" @ 50% RH & 77°F	5 – 15 minutes
Through Cure	1/8" @ 50% RH & 77°F	48 hours

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.25 – 1.55
Tensile Strength	ASTM D412	100 – 140 psi
Elongation	ASTM D412	80 – 95%
Shore Hardness	ASTM D 2240	20 minimum
Tear Resistance	ASTM D624	30 – 35 pli
Adhesion	ASTM D 903	10 – 14 pli
Metal SPF		10 – 14 pli

STORAGE AND HANDLING:

- Store in cool, dry conditions.
- Can be stored unheated during cooler months.
- Secure the lid tightly during transport to prevent leakage.
- Refer to the Safety Data Sheet for details).

SAFETY PRECAUTIONS:

- Flammable liquid and vapor.
- Causes skin irritation and allergic reactions.
- May cause severe eye damage, genetic defects, and cancer.
- Harmful with prolonged exposure.
- Follow all safety precautions on the product label and Safety Data Sheet (available at www.Mantarroof.com).

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