SILCA AM-AC-059-ASY-0100

SILCA Ultimate Tubeless Tire Sealant 1L Instruction Manual

Model: AM-AC-059-ASY-0100

1. Introduction

The SILCA Ultimate Tubeless Tire Sealant is a high-performance solution designed for tubeless bicycle tires. This 1-liter bottle contains a natural and synthetic latex blend with injectable FiberFoam technology, engineered to proactively seal punctures up to 7.5mm. It maintains its liquid state for over 6 months in various weather conditions, offering reliable protection for mountain, gravel, and road bikes.
Key features include:

- **Fast & Effective:** Quickly seals punctures up to 7.5 mm, providing 25% more coverage than conventional sealants. Compatible with all tubeless tires and valve cores.
- **FiberFoam Technology:** Utilizes small strand carbon fibers to create a strong 'fiber dam' for rapid sealing with minimal air loss. These fibers are 400% stiffer than fiberglass.
- **Easy to Apply:** Can be injected through valve cores for mess-free installation (injector sold separately) or poured directly into the tire.
- **High Performance:** CO2 safe and effective in temperatures as low as 10°F (-15°C) for all-season reliability.
- **Long-Lasting:** The hybrid latex formula remains liquid for 6+ months (weather dependent), reducing the frequency of sealant top-offs.

2. Safety Information

WARNING:

- **ALLERGY ALERT:** Contains latex. May cause an allergic skin reaction.
- **DO NOT INGEST.**
- **AVOID CONTACT WITH EYES.**
- Keep out of reach of children.
- Avoid breathing mist/vapour.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF ON SKIN: Wash with plenty of water and soap.
- IF skin irritation or rash occurs: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.

- Dispose of contents/container in accordance with local regulations.
- **Freezing Point:** Effective down to -10°C to -15°C (14°F to 5°F). Performance below this temperature is not guaranteed.

3. Setup and Application

Before application, ensure the sealant bottle is shaken well to ensure proper mixing of the FiberFoam technology.

3.1. Sealant Quantity Guide

Refer to the table below to determine the appropriate amount of sealant for your tire type and size. These are recommended amounts per tire.

Image: SILCA Ultimate Sealant Fill Guide. This table provides recommended sealant volumes in milliliters and fluid ounces for different tire diameters (26in, 29er, 700c, 650b) and widths.

3.2. Application Methods

There are two primary methods for applying SILCA Ultimate Tubeless Tire Sealant:

Method 1: Direct Pour

This method involves unseating a portion of the tire bead and pouring the sealant directly into the tire cavity.

1. Carefully unseat one side of the tire bead from the rim.
2. Pour the recommended amount of SILCA Ultimate Sealant directly into the tire.
3. Re-seat the tire bead onto the rim.
4. Inflate the tire to your desired pressure.

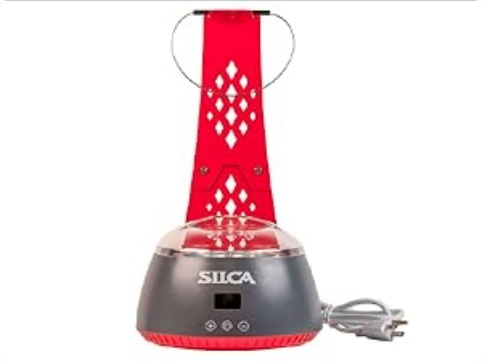

Image: Direct Pour Method. A hand is shown pouring sealant directly into an unseated bicycle tire.

Method 2: Through Valve Injection

This method allows for mess-free installation without removing the tire from the rim, using a sealant injector (sold separately).

1. Deflate the tire completely.
2. Remove the valve core from the Presta or Schrader valve.
3. Attach a sealant injector (e.g., SILCA Ultimate Sealant Injector) to the valve stem.
4. Inject the recommended amount of sealant into the tire.
5. Remove the injector and reinstall the valve core.
6. Inflate the tire to your desired pressure.

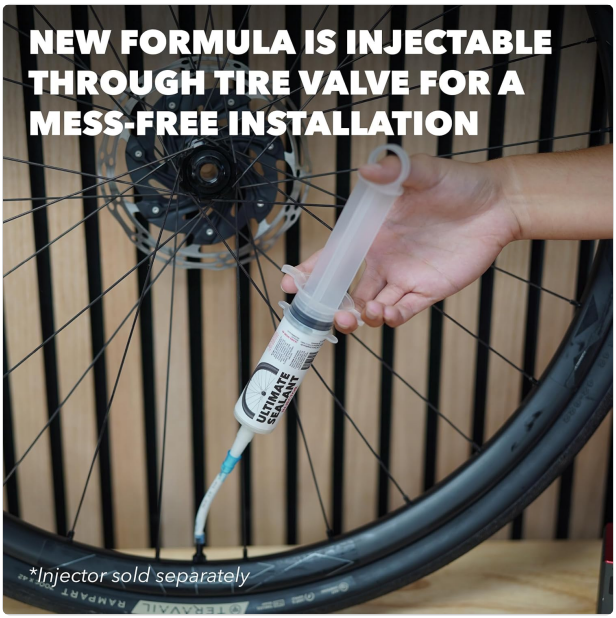

Image: Through Valve Injection Method. A hand is shown injecting sealant into a bicycle tire through the valve stem.

4. Operating Instructions

Once installed, SILCA Ultimate Tubeless Tire Sealant actively works to protect your tires. The FiberFoam technology allows the

sealant to quickly locate and seal punctures as they occur, minimizing air loss and allowing you to continue your ride.

- **Puncture Sealing:** The sealant is designed to seal punctures up to 7.5mm in diameter. Upon a puncture, the sealant and carbon fibers will rush to the opening and form a durable seal.
- **CO2 Compatibility:** This sealant is CO2 safe, meaning it will not coagulate or lose effectiveness when exposed to CO2 cartridges used for emergency inflation.
- **Temperature Range:** The sealant performs reliably in a wide range of temperatures, down to 10°F (-15°C).

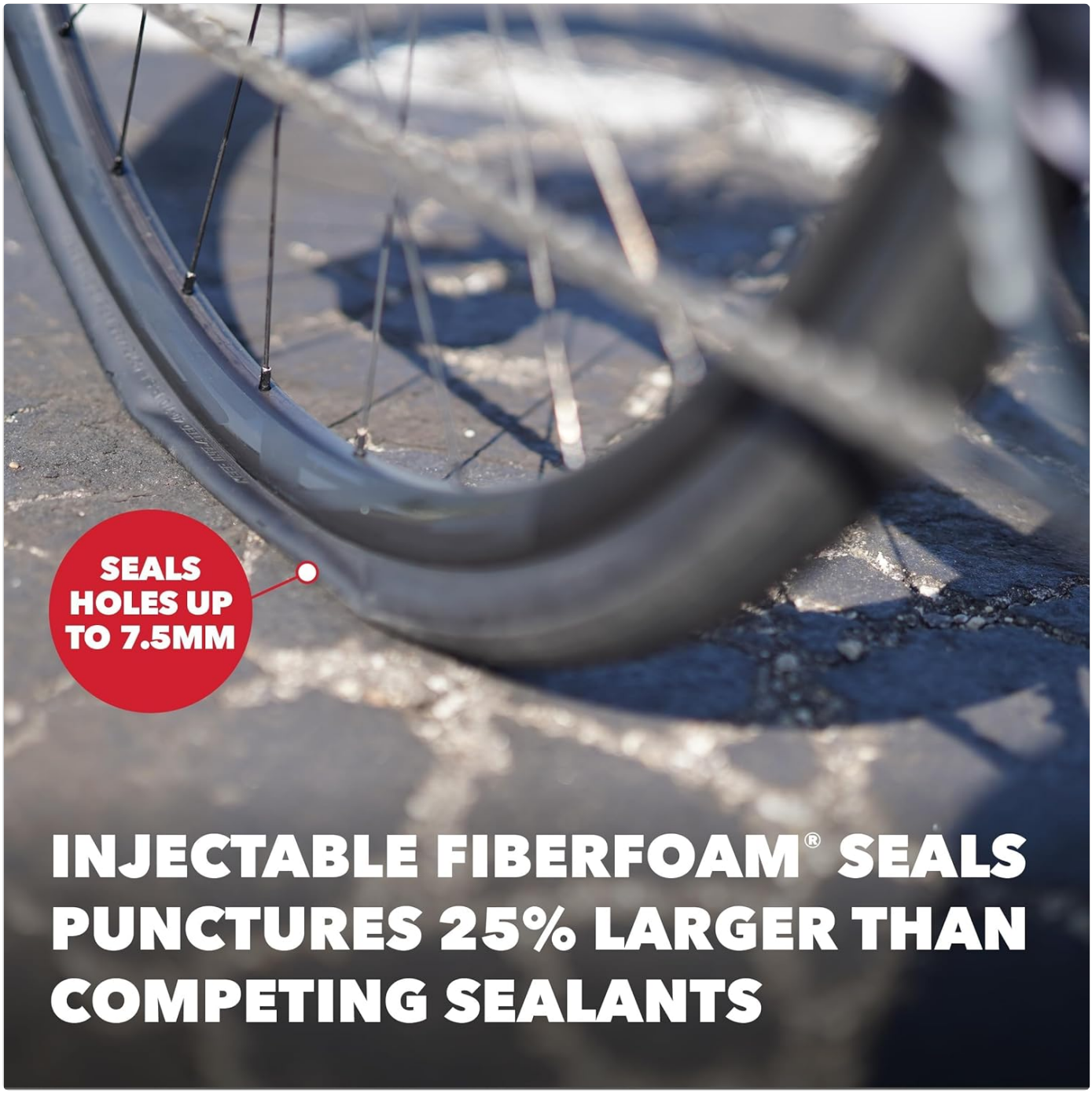

Image: Puncture Sealing. A close-up of a bicycle tire with sealant actively sealing a hole.

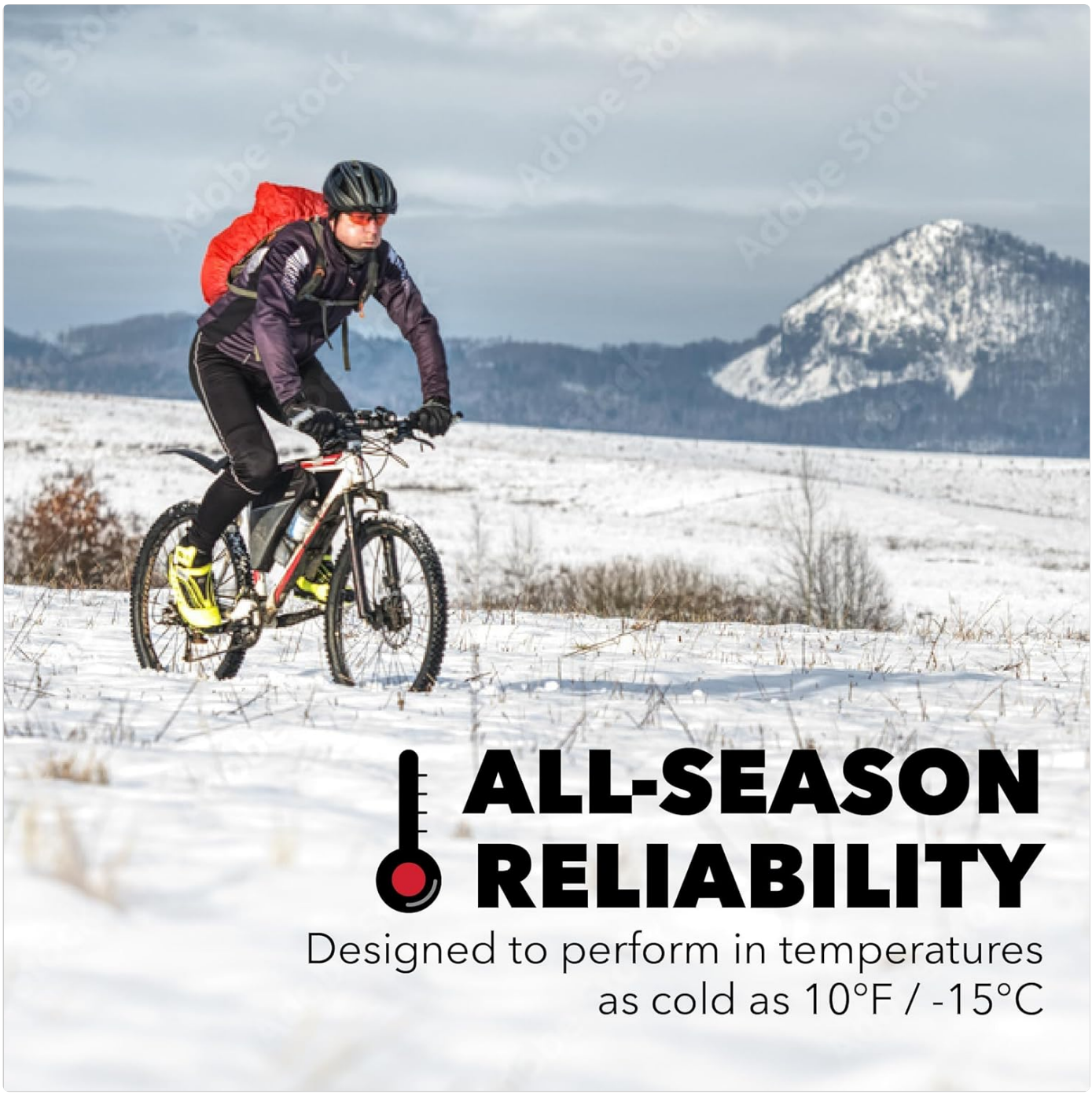

Image: All-Season Reliability. A cyclist rides through a snowy landscape, demonstrating the sealant's performance in cold conditions.

5. Maintenance

To ensure continuous protection, regular maintenance of your tubeless setup is recommended:

- **Longevity:** The sealant remains liquid for 6+ months under normal conditions. However, environmental factors like extreme heat or frequent riding can affect its lifespan.
- **Regular Checks:** Periodically check the amount of liquid sealant inside your tires. This can be done by shaking the wheel and listening for the sloshing sound of the liquid.
- **Top-Offs:** If the sealant level is low, add more sealant using the through-valve injection method to maintain optimal performance.

Image: Long-Lasting Protection. Various sizes of SILCA Ultimate Sealant bottles are displayed, highlighting the product's 6+ month longevity.

6. Troubleshooting

- **Sealant Leaking from Valve Stem:** If sealant is observed leaking from the valve stem, ensure the valve core is tightly secured. This can sometimes occur if the valve core is not fully tightened or if the sealant has accumulated around the valve.
- **Sealant Freezing:** The sealant has a freezing point between -10°C and -15°C (14°F to 5°F). Riding in temperatures below this range may compromise the sealant's effectiveness. If the sealant freezes, it may not seal punctures effectively, and the tire's balance could be affected. Allow the sealant to thaw in warmer temperatures before use.
- **Persistent Leaks:** For persistent leaks that the sealant does not seal, inspect the tire for larger damage that exceeds the sealant's 7.5mm capacity. The tire may require a patch or replacement. Also, check the tire bead for proper seating on the rim.

7. Specifications

Feature	Detail
Brand	SILCA
Model Number	AM-AC-059-ASY-0100
Style	Sealant
Material	Natural & Synthetic Latex Blend with FiberFoam
Volume	1 Liter (33.8 Fluid Ounces)
Puncture Sealing Capacity	Up to 7.5 mm
Longevity	Stays liquid for 6+ months (weather dependent)
Temperature Range	Effective down to -10°C to -15°C (14°F to 5°F)
CO2 Safe	Yes
Item Dimensions (L x W x H)	9.5 x 3 x 3 inches
Item Weight	2.46 pounds
Water Resistance Level	Water Resistant
UPC	810093162901

8. Warranty and Support

Specific warranty details for the SILCA Ultimate Tubeless Tire Sealant are not provided in the product information. For any warranty inquiries or product support, please contact SILCA directly through their official website or customer service channels.
Official Website: silca.cc