



ULTIMATE SEALANT

Maintenance Schedule

SILCA **Ultimate Injectable Tubeless Sealant** with FiberFoam® technology offers long-lasting puncture protection, but regular maintenance ensures optimal performance.

INTERVAL	ACTION
Every 3 Months	- Check Sealant Levels: Deflate the tire, remove the valve core, and use a sealant injector to add the recommended additional amount of SILCA Ultimate Tubeless Sealant through the valve. This process helps maintain sealant effectiveness without breaking the tire bead.
Every 6-12 Months	- Full Sealant Replacement: If the sealant has dried out or after 6-12 months of use, remove the tire, clean out any dried sealant, and add fresh SILCA Ultimate Tubeless Sealant. This ensures continued puncture protection and optimal performance.

Tips for Tire & Sealant Care

Use the **SILCA Tire Pressure Calculator** for precision tuning by bike, tire, and rider weight.

Ultimate Tubeless Sealant with Fiberfoam seals holes up to 6+mm – but it only works if it’s still liquid inside.

Tire pressure varies with weather, elevation, and terrain – check more often in changing conditions.

Carry a mobile inflator and a spare tube or plug kit – sealant isn’t a failsafe for every scenario.

ULTIMATE SEALANT Fill Guide

700c	SEALANT PER TIRE
700 x 28mm	55ml - 1.85oz
700 x 32mm	65ml - 2.10oz
700 x 40mm	80ml - 2.7oz
700 x 42mm	85ml - 2.8oz
700 x 45mm	90ml - 3.00oz
700 x 50mm	100ml - 3.4oz

29er	SEALANT PER TIRE
29 x 2.00in	100ml - 3.35oz
29 x 2.25	115ml - 3.9oz
29 x 2.4	125ml - 4.2oz
29 x 2.6	135ml - 4.55oz

650b	SEALANT PER TIRE
650 x 47	90ml - 3.00oz
650 x 50	95ml - 3.2oz

26in	SEALANT PER TIRE
26 x 2.0	95ml - 3.15oz
26 x 2.3	110ml - 3.65oz

Running Tire Inserts? USE MORE SEALANT!
 Tire inserts take up space and absorb sealant, which slows its ability to move freely and seal punctures. To maintain sealing performance, you’ll need to **increase sealant volume by 30-50%**.

The more insert surface area, the more sealant is needed to ensure flow and effective puncture response – especially at low pressures or high speeds.

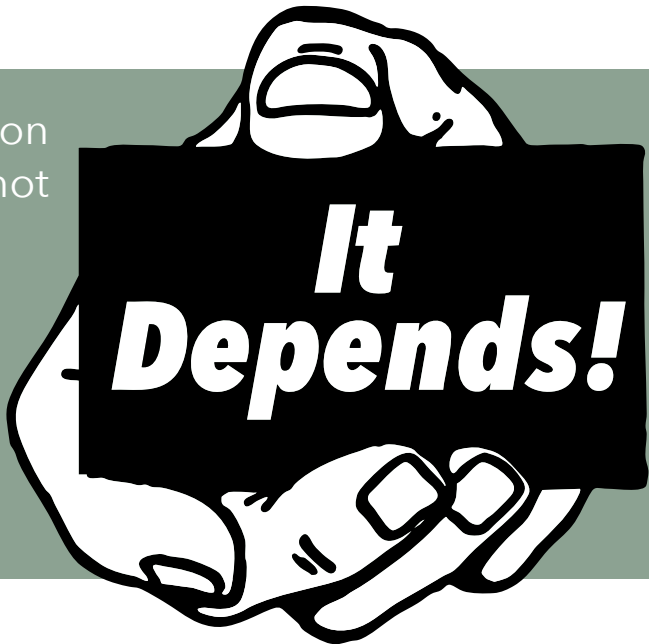
Using Handmade or Thin-Sidewall Tires? ADD 1 EXTRA OUNCE (30ml)

Supple tires from brands like René Herse or Challenge may “weep” sealant through porous sidewalls during setup. This is normal – just **add 1 extra ounce (30ml)** of sealant per tire to maintain full protection.

Correct **tire pressure** is one of the easiest marginal gains you can make – with a huge impact on comfort, control, speed, and rolling resistance. Combined with proper tubeless sealant care, you’ll not only ride faster and smoother, but you’ll also be protected when the terrain tries to take you out.

That said – **it depends**. Riding conditions, terrain, rider weight, and performance expectations (from commuters to racers) all play a role in how often you need to **check pressure** or **top off sealant**.

Use this guide as a starting point, and adjust based on how and where you ride.



You can find your optimal tire pressure in seconds using the **SILCA Tire Pressure Calculator** – available at the top of **SILCA.cc** or in the SILCA phone app. Just enter your weight, tire size, terrain, and setup. It’s the same tool trusted by pro riders and mechanics to fine-tune performance.

The **right pressure** maximizes comfort, improves grip, reduces rolling resistance, and extends tire life. Whether you’re on road, gravel, or trails – use it pre-season, post-build, or whenever you go for a ride.