USER MANUAL

TUBELESS SEALANT INJECTION KIT

Graduated 60 ml syringe with injection tube, Presta and Schrader valve core tool, three valve caps: to add or renew tubeless sealant through the valve, tyre in place, without unseating it.

REF. KITINJE8 · ROAD, GRAVEL, MTB, FOLDING · 60 ML SYRINGE, PRESTA AND SCHRADER



01 · BEFORE YOU START

CONTENTS AND FIRST STEPS

ITEM	QTY	DETAILS
Injection syringe	1	60 ml (2 oz), graduated, high-strength plastic
Flexible injection tube	1	Thin, supple, connects to the syringe tip
Valve core tool	1	Anodised CNC aluminium, Presta and Schrader
Valve caps	3	Black, to replace worn caps

Packed kit ≈ 20 × 5 × 5 cm.

What this kit does

The sealant in a tubeless tyre **dries out over time** and must be topped up. Rather than unseating the tyre, you **remove the valve core**, slide the syringe tube into the valve and inject the dose straight into the tyre. The same kit serves for tubeless conversion: seat the tyre dry, then add the liquid through the valve.

Compatibility

- Tubeless **Presta valves with a removable core** and **Schrader** valves.
- Road, gravel, MTB, folding bikes.
- Most sealants on the market. A very thick sealant, or one loaded with particles, flows less well through a thin tube: shake the bottle well and inject slowly.



The aluminium tool unscrews a Presta valve core; turned round, it handles Schrader cores.

SAFETY

- **Deflate fully** before unscrewing a core: under pressure it shoots out like a projectile.
- Sealant stains and dries fast: keep a rag at hand, and wear nothing you care about.
- Keep the liquid and the syringe out of children's reach; read the sealant manufacturer's precautions.
- Never put sealant in a syringe used for anything else.

You will need

- The sealant of your choice, bottle well shaken.
- A pump or compressor to reinflate.
- Water to rinse the syringe and tube straight afterwards.

02 · GETTING READY

WHEN, HOW MUCH, IN WHICH POSITION

When to top up

Sealant stays active for **three to six months** depending on heat, garage ventilation and the liquid itself. Shake the wheel next to your ear: you should hear liquid moving. If it is silent, or if a small thorn no longer seals on its own, it is time. A check at each change of season is a good habit.

How much

TYRE	COMMON GUIDE	WITH THE SYRINGE
Road	≈ 30 ml	Half a syringe
Gravel	≈ 60 ml	One syringe
MTB	often 60 to 120 ml	One to two syringes

Rules of thumb, to adapt: the dose depends on tyre volume and on the sealant maker, whose instructions take precedence. For a top-up, use less than for a new tyre.

The position that avoids a mess

Removing the core	Valve **at the top** (12 o'clock): the liquid already in the tyre sits at the bottom, nothing comes out.
Injecting	Valve at **4 or 8 o'clock**, tube inserted: the liquid runs down into the tyre without flowing back to the valve or clogging it.
Refitting the core	Valve back at the top, so you do not screw it into the liquid.



Graduated 60 ml syringe and injection tube: read the dose on the scale.

REMOVABLE CORE?

A Presta valve with a removable core has **two flats** below the tip. With no flats, the core does not unscrew and the syringe cannot get in: you then have to unseat the tyre to add liquid, or change the valve.

NEW TUBELESS TYRE

Fit and seat the tyre **dry**, it is easier and cleaner. Check it holds air, deflate, then inject the sealant through the valve with this kit.

03 · PROCEDURE

INJECTING THE SEALANT

1. **Deflate, valve at the top.** Open the tip nut (Presta) and press the core until the tyre is flat.
2. **Unscrew the core** with the tool, anticlockwise, without forcing. Set it on a clean rag, tip upwards.
3. **Draw the dose.** Shake the bottle. Plunger pushed in, dip the syringe tip in the liquid and pull slowly to the mark you want. Purge the air with the syringe pointing up.
4. **Connect the tube** to the syringe tip and turn the wheel to bring the valve to 4 or 8 o'clock.
5. **Slide the tube into the valve** a few centimetres, until it is inside the tyre. Hold it against the valve with one hand.
6. **Inject slowly.** A plunger pushed too fast sends liquid back out of the valve. If it blocks, it is a lump: pull back a millimetre and carry on.
7. **Withdraw the tube, refit the core** with the valve at the top. Tighten until it seats, a quarter turn more at most.
8. **Inflate and spread.** Inflate to your usual pressure, then spin the wheel, lay it flat, turn it over: the liquid coats the whole inside. Check the valve with soapy water.



Tube inserted in the valve, core removed: the liquid runs down into the tyre.

WATCH OUT

- Never pull the plunger to **draw from the tyre** unless you mean to: old sealant and lumps come up the tube.
- On a **Schrader** valve, remove the core with the other head of the tool; the tube goes in the same way.
- Keep liquid off brake pads and rotor: wipe it off at once.

RINSE STRAIGHT AWAY

Syringe apart, tube separate, **clean water** before the sealant dries: dry, it jams the plunger and blocks the tube. Store everything dry.

04 · BUILT TO LAST

CARE, COMMON MISTAKES, TROUBLESHOOTING

Caring for the kit

- Rinse syringe and tube with water after **every** use; a sticking plunger frees up in warm water.
- Store the syringe with the plunger out, away from sunlight: the plastic stays supple.
- Rinse the valve tool after contact with sealant; anodised aluminium does not rust.
- Replace a cracked valve cap with one of the three supplied: it keeps mud and moisture off the core.

The mistakes that make a mess

MISTAKE	CONSEQUENCE
Unscrewing the core under pressure	Core fired out, sealant sprayed
Valve at the bottom while injecting	Liquid flows back out and clogs the core
Pushing the plunger fast	Backflow, splashes, wrong dose
Core refitted into the liquid	Clogged core, leaking valve
Syringe not rinsed	Jammed plunger, blocked tube

IF SOMETHING GOES WRONG

- **The core will not unscrew**: dried sealant. Hot water on the valve tip, one minute, then try again without forcing.
- **The tube will not go in**: the valve has no removable core, or the inside is blocked with dried sealant; clear the valve with a thin wire.
- **Leak at the valve after refitting**: core not seated or dirty. Unscrew, wipe, refit until it seats.
- **The tyre still goes down**: the sealant is there but the hole is beyond what it can close; plug or inner tube.

On video

Independent tutorials, scan to watch.

The quickest and easiest way to add tire sealant
Clint Gibbs · English

Tubeless mountain bike tire sealant top up
West Coast Mountain Biker · English

Recharger ses pneus tubeless en liquide préventif
The Cyclo Touriste · French

Need help?

velkyne.com/contact
Our team answers your questions about using the kit and valve compatibility.

Slowly, valve to the side, and everything stays clean.
A sealant top-up takes five minutes a wheel once the movement is settled. Do it at the change of season: that is what separates a tubeless tyre that protects from one that punctures.