

caffélatex tubeless kit

to allow the use of Tubeless, Tubeless-Ready**, TNT** and 2BLISS tyres** without inner tube on standard mtb wheels

MOUNTING INSTRUCTIONS

A) Prepare the wheels*

- a1. Remove existing rim-tape.
- a2. Inspect spoke holes removing any burr/cutting edge that might damage Caffé Tubeless Tape (use sand-paper or a small file).
- a3. Carefully clean the rim-bed, removing any trace of grease or lubricant (use alcohol or other de-greaser).
- a4. **TUBELESS TAPE INSTALLATION:** starting 5 cm from the valve-hole, apply Caffé Tubeless Tape covering the valve hole, keeping a constant tension and pushing the tape in place with your fingers. Make sure to avoid bubbles/wrinkles and that the tape is well centered. If not, pull the tape and re-center. Continue the process until 5 cm after the valve hole (there will be a 10 cm tape overlap – 2 layers – across the valve hole).
- a5. Wrap your fingers with a cloth and rub the tape over the entire circumference of the rim bed to ensure adhesion is good and no air is trapped.
- a6. Using a sharp spike or a screwdriver, make a round hole in Caffé Tubeless Tape at the valve hole. Remove the Caffé Tubeless Tape that has gotten inside the hole with a file.
- a7. **ADDITIONAL STEP:** to make sure Caffé Tubeless Tape is perfectly glued, mount a standard tyre with inner tube and keep it inflated at maximum pressure for some hours: this will ensure uniform tape-to-rim adhesion.

B) Mount the valve

- b1. Insert Caffé Tubeless Valve, pushing it until the black valve base touches Caffé Tubeless Tape (if difficult, clean the valve hole and re-fit the valve).
- b2. Secure the valve in place, tightening the lock-nut by hand (air-tightness is ensured when the rubber valve base is squeezed against the Caffé Tape).

C) Mount the tyre**

- c1. Tyre assembly should be done by hand or using plastic tyre-levers (avoid metal ones, they could damage Caffé Tubeless Tape).
- c2. Carefully position tyre talons inside the rim bed, on each side of Caffé Tubeless Valve base.
- c3. **CHECK:** inflation should be possible at this stage, with either a floor-pump or a compressor. Inflate the tyre to make sure it properly positions itself on the rim. **WARNING: never exceed maximum inflating pressure stamped on tyre sidewalls or specified by the wheel-manufacturer.**
- c4. Completely deflate the tyre and:
 - c4.1. remove the valve mechanism from Caffé Tubeless Valve using the Presta valve key.
 - c4.2. With the valve positioned at 9 o' clock, use Caffélatex Injector to insert the appropriate quantity*** of Caffélatex sealant through the valve.

Alternative ways of adding Caffélatex :

- if using a non 'RVC' (replaceable valve core) tubeless valve, you can still use Caffélatex Injector without removing the valve core (see c4.2_c; inflating the tyre immediately after the injection will clean the valve);
 - Caffélatex can be poured directly inside the tyre by partially unmounting the tyre on a 20 cm length. Remount the tyre after that.
- c5. Remount the valve mechanism, inflate the tyre until it properly positions itself in the rim. **WARNING: never exceed maximum inflating pressure stamped on tyre sidewalls or specified by the wheel-manufacturer.**
 - c6. To evenly distribute Caffélatex inside the tyre, rotate the wheel keeping it horizontal (one side first, then the other), then vertical, shaking it.
 - c7. Take the tyre pressure to your usual riding one.

D) Tips

- d1. After the conversion, we recommend doing a 10 min. easy ride to stabilize the system and make sure all porosities are sealed.
- d2. If pressure drops significantly, repeat the procedure at c6, c7 and d1.
- d3. Caffélatex is a very stable and durable sealant. Nevertheless, we recommend checking it every 2 months, to make sure it's liquid and therefore retains its 'puncture preventive' action. When dry, Caffélatex-sealed wheels are still air-tight, but Caffélatex won't actively repair punctures. To add fresh Caffélatex, follow point c4.
- d4. In case of a relevant puncture (holes bigger than 3 mm), if the pressure drops too much to ride while Caffélatex sprays out of the hole, it might just take more time for Caffélatex to repair it. Remove the puncturing object, inflate the tyre and ride: Caffélatex will keep on working, eventually repairing the hole.
- d5. **WARNING: tubeless-low inflating pressures can be used safely only on specific tubeless rims/wheels, where tyre talons lock into the rim. The use of extremely low inflating pressure can be dangerous and is done under the user's sole responsibility**

E) Troubleshooting

- e1. **AFTER CONVERTING THE RIM TO TUBELESS, I HAVE PROBLEMS INFLATING THE (tubeless, tubeless-ready, TNT) TYRE:**
due to tyre bead and rim dimensional tolerances, some combinations of tyre and rim could be more difficult than other to make work. In some cases the use of a compressor is the only way to inflate the tyre without inner tube.
- e2. **I WANT TO USE STANDARD TUBE-TYPE TYRES AS TUBELESS WITH CAFFÉLATEX TUBELESS KIT:**
most tube-type tyres can be run as tubeless using Caffélatex Tubeless Kit. In such cases a compressor is needed to allow the primary tyre seal and its inflation. **WARNING: tube type tyres are not ment to be used as tubeless by their producers and this is done under the user's sole responsibility. EFFETTO MARIPOSA® cannot be considered liable for accidents coming from the use of tube-type tyres without inner tube, using Caffélatex Tubeless Kit.**
- e3. **PRESSURE DROPS SIGNIFICANTLY OVERNIGHT:**
the combination of Caffé Tubeless Tape and Caffélatex sealant should give an air-tightness exceeding UST standards (max pressure loss allowed: 0,48 bar/24h). If it's not the case, check:
 - the valve, making sure the lock nut is well tightened (hand tight);
 - the valve mechanism, making sure it is well tightened (hand tight) using the valve key;
 - sealant leaks at the spoke/valve holes: this could mean that Caffé Tubeless Tape or Caffé Tubeless Valve has not been properly mounted. Remove the tyre and check if the valve is well pressed against the tape. If the problem comes from the tape assembly, you should replace it starting from A);
 - sealant leaks on the tyre: follow steps c6 and d1. In case of a puncture/cut follow step d4: if the damage is too big to be fixed by the sealant, the tyre should be removed and properly patched or replaced.
- e4. **WHAT HAPPENS IF I MOUNT A TYRE USING TYRE-LEVERS:**
metal tyre levers can potentially damage Caffé Tubeless Tape, so only plastic ones should be used. Some manufacturers warn against the use of tyre levers with their tubeless tyres.

EFFETTO MARIPOSA WARRANTY

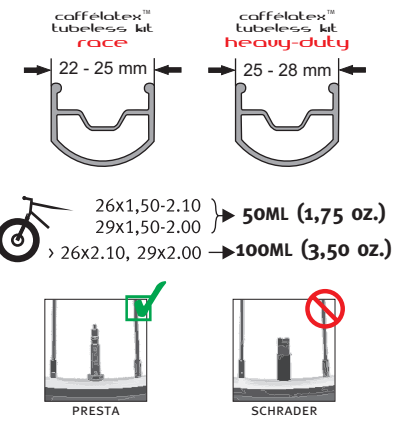
EFFETTO MARIPOSA® guarantees its products for a period of 2 years from the date of purchase from an approved EFFETTO MARIPOSA® dealer. Furthermore, EFFETTO MARIPOSA® provides the legal guarantees applicable in the countries concerned. EFFETTO MARIPOSA®'s only liability will be to replace the product (EFFETTO MARIPOSA® reserves the right to replace the defective product by an equivalent product from its range) or the part considered defective.

LIMITATIONS

There is no absolute guarantee of safety. Cycling is a sport that carries the risk of injury or even death. The warranty does not cover damage due to:

- ordinary wear incurred by cycling and climatic conditions;
- non-compliant fitting or assembly using inappropriate products;
- non-compliant maintenance, repairs or modifications;
- non-compliant use, bad treatment, abuse, negligence, imprudence.

For all warranty claims, take the defective product and the invoice or proof of purchase to your nearest approved EFFETTO MARIPOSA® dealer. The new or repaired product will be returned to the approved dealer. If one part of this warranty was found to be inapplicable by an administrative or judicial procedure, the other parts would remain applicable.



*: Caffé Tubeless Tape compatible wheels/rims MUST BE PRESTA-DRILLED (NO SCHRADER VALVE HOLES):

21 mm Caffé Tubeless Tape: rims with external section from 22 to 25mm (Mavic XC 717, XM 719, American Classic 350, DT 4,1, DT 4,2, Notubes Olympic, ZTR355, Arch, FRM XMD333...);

25 mm Caffé Tubeless Tape: rims with external section from 25 to 28mm (Mavic EX 721, Notubes Flow...)

** : Caffélatex Tubeless Kit is developed for Tubeless, Tubeless-Ready, TNT (Tube No Tube) and 2Bliss mountain bike tyres, manufactured according to UST fitting diameter. **WARNING: the use of Caffélatex Tubeless Kit with standard tube-type tyres is done under the user's sole responsibility.**

***: recommended Caffélatex sealant quantities, depending on tyre size: **26x1,50-2.10 o 29x1,50-2.00 -> 50 ml (1,75 oz.)**
26x2.10, 29x2.00 -> 100 ml (3,50 oz.)