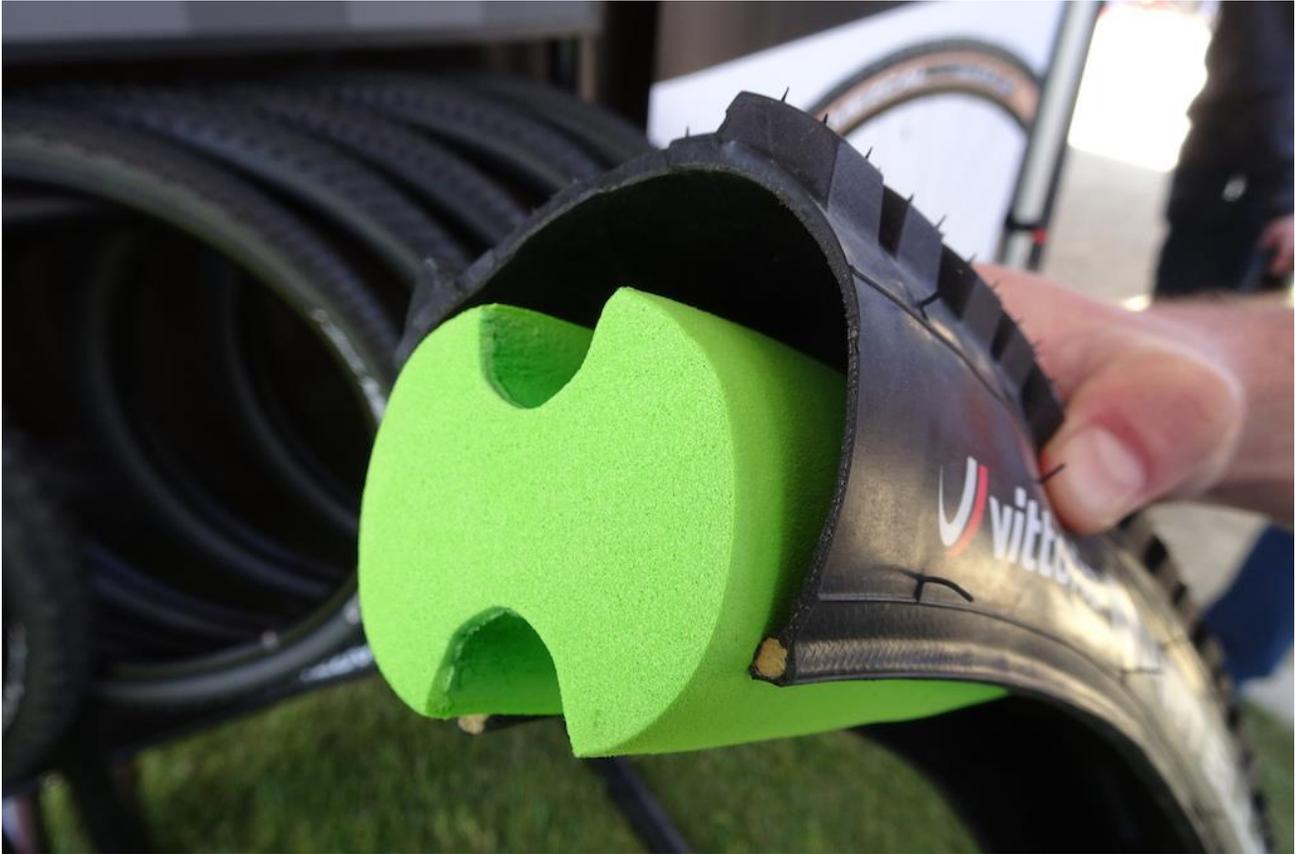




## AIR-LINER, THE NEW MTB TIRE INSERT BY VITTORIA

Vittoria presents Air-Liner, the ultimate tire accessory for mountain bike tires. Air-Liner is a foam-based tubular insert for tubeless tires designed to protect the rim, enhance grip and prevent punctures.



### THE PRODUCT

Air-Liner is developed by Vittoria in collaboration with Deaneasy, and it is made in Italy. This technical foam is made up by a new-generation polymer, and the entire tube comes through coring process. Differently from printing and extrusion – cheaper production processes used for equivalent products available in the market – coring does not alter the chemical structure of the polymer. As a matter of fact, the added value of Air-Liner lays in its high-quality production process.

Air-Liner is designed considering all the demands of each mountain bike discipline:

- Size S – Cross-Country / Marathon – from 1.9" to 2.2"
- Size M – All Mountain / Enduro – from 2.25" to 2.5"
- Size L – Enduro / Plus – from 2.5" to 2.7"
- Size XL – Plus / Fat – from 2.7" to 4.0"



Air-Liner can be used on both standard wheels and tubeless-ready wheels, with both tubeless and tubeless-ready tires, and with any type of sealant – preferably without ammonia. In addition, it fits any type of valve for tubeless.

## ADVANTAGES

Air-Liner advantages are countless:

- More grip, in both climbing and descent
- Enhanced rim protection
- Allows for lower tire pressures
- Prevents burping effect
- Prevents bead breaking
- Absorbs high-frequency vibrations. Comfort increased.
- Allows for tires with lighter casing

Although Air-Liner polymer is slightly dense, it is very resistant. This particular structure provides the insert with light weight without compromising on resistance and duration: Air-Liner weight goes from 160 g to 220 g according to the size, and the product life cycle is 2,000 hours in normal conditions or one-hour runflat – calculation based on a rider of 80 kg of weight.

## THE SETTING UP

Air-Liner comes as a tube with two continuous carvings – one at the top and one at the bottom of the tube – designed to make room for the air and sealant within, and to better support the tire.

In the packaging, Air-liner comes with a zip tie to close the tube on the rim. As the Air-Liner length always exceeds the wheel diameter, you need to cut the edges of the tube according to the size of the rim (you can use a cutter for this processes). After that, you need to make two holes – one for each extremity of the tube – and insert the zip tie in the two through holes (you can use a screwdriver for making the holes). Apart from this process, the mounting of the Air-Liner is not too different from the one of inner tubes. To facilitate the mounting even more, we suggest lubricating the insert with some water.

Have a look to the Air-Liner setting up video [link](#)



## SUGGESTED TIRE PRESSURES

Although tire pressure choices can be very subjective, we suggest the following pressures considering a rider of 80kg of weight using light-weight tires:

- Size S: front 1,1 bar; rear 1,3 bar
- Size M: front 1,2 bar; rear 1,4 bar
- Size L and XL: front 0,8 bar; rear 0,9 bar