

challenge

H A N D M A D E T I R E S

Smart Tubeless Sealant



- Open the screw cap
- Remove protection layer (helping with scissors or knife, if necessary)
- Screw the cap back on
- Cut the round upper part of the screw cup by using pair of scissors.



Option 1:

Loading sealant through the valve

(normally ideal for Handmade Tubeless Ready because the fit is very tight)

- With the tire completely seated in the wheel, remove the valve core.
- Secure the wheel, moving the valve on top.
- Rotate the entire bottle of sealant onto the rim's valve stem.
- Rotate the wheel 180°, moving the valve to the bottom.



- Squeeze Smart Tubeless Sealant bottle watching how much sealant you are inserting.

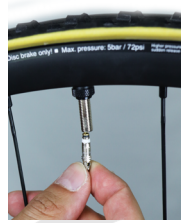
- Rotate the wheel back 180°, check the quantity of sealant remaining in the bottle using the marking on the side of the bottle*.
- When the proper amount of sealant is inserted, unscrew the bottle from the valve while using a finger to cover the valve so sealant cannot exit.



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- Re-insert the valve core.



- Pump it up the tires 50/60% maximum operating pressure.



- Spin the tires vertically and then horizontally to let the sealant cover the entire internal surface, especially the tire/rim interface.

- Deflate and inflate the tires again to your optimal operating pressure.

- Check that the tire chafer is consistently visible all around the tire circumference.



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Option 2:

Loading sealant directly into the tires (normally ideal for Vulcanized Tubeless Ready)

- Install the first tire bead completely on the wheel and the second tire bead 95% seated leaving only 15-20cm of the second tire bead unseated on either side of the valve stem.

- Rotate the wheel so the valve stem is on the bottom.



- Squeeze/pour the necessary amount of Smart Tubeless Sealant directly into the tires using the marking on the side of bottle*.



- Slowly rotate the wheel 180°, keeping the sealant always in the bottom of the tire.

- Seat the second tire bead near the valve stem.

- Inflate the tires until the beads pop into position (if it is necessary to have a more powerful pressure to fully seat the bead, you may decide to remove valve core).

- Spin the tires vertically and then horizontally to let the sealant cover the entire internal surface, especially the tire/rim interface.



- Deflate and inflate the tires again to your optimal operating pressure.

- Check that the tire chafer is consistently visible all around the tire circumference

*Confirm the necessary sealant quantity using this [link](#).

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Sealant quantity vs tire width

25 - 28mm → 40 - 60ml
30 - 33mm → 60 - 80ml
36 - 40mm → 90ml
42 - 45mm → 110ml

A Handmade TubeLess Ready (H-TLR) tire could sometimes need 5-10% more sealant than the same size vulcanized (V-TLR) tire

