

TRIPLE
TEST



WHAT
MOUNTAIN BIKE
WINNER



TUBELESS TYRE SEALANT

Effetto Caffelatex

£20 for 1 litre

This Italian-made sealant is claimed to foam-up, allowing it to better coat the inside of the tyre. It also contains tiny particles to help clog up holes. When we removed our comically large 6mm screwdriver from the tyre, it sealed almost instantly. Even after wiggling the screwdriver around, it plugged the hole on the second revolution of the wheel, making it a slightly faster hole-plugger than Stan's. After shaking the tyre vigorously, we expected the foaming action to plug sidewall holes easily but, like Stan's, it still required the hole to be at the lowest point. It's the cheapest on test, though, and if you buy the 1-litre bottle, it's surprisingly good value. www.upgradebikes.co.uk



Foaming action plugs holes fast but not the fastest

Orange Seal

£13 for 8oz (£57.20/l)

Orange Seal's thick latex solution contains particles of varying size to help plug holes, and it really seems to work. Even after wiggling our largest (6mm) screwdriver back and forth in the tyre, the hole was sealed after just two revolutions, and held over 40psi without leaking – several psi more than the others could manage. The sticky solution plugged sidewall punctures with less persuasion too. Even a prick straight through both sidewalls was sealed after a little shaking. We're impressed.

Orange Seal says it works at its best for 30-45 days in the tyre. We've left ours in there for a month and it's still working. It's pricey, though. www.extrauk.co.uk



The best-performing sealant we've tested by some margin

Stan's No Tubes

£15 for 1 pint (£26.40/l)

Stan's is probably the best-known tubeless sealant for a reason – it works. We tested with identical quantities of each sealant in identical tyres, before puncturing them with progressively larger spiky things. After attacking a tyre with our largest spiky thing, a 6mm screwdriver, Stan's sealed the hole after just one or two revolutions of the wheel. To make things harder, we stuck the tool in again and wiggled it from side to side. Stan's still sealed up the tyre, but not as fast as the other two sealants here. We were able to re-inflate the tyre to 36psi before the seal broke again. Sidewall punctures sealed with a little encouragement but, again, took longer than the other two. www.paligap.cc



Proven on the trail, but not quite as clingy as the others