

Testing report

MaXalami tubeless repair for tubeless road tires

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1. Scope

This test proves the usability of MaXalami tubeless repair kit for tubeless road tires. Pressure up to 10 bars will occur.

2. Test equipment

Tire: IRC Roadlite tubeless 120 tpi 700 x 25C
Rim: Fulcrum Red Metal 29 XRP
Insert tool: MaXalami
Plug: MaXalami MaXanossi 1,5 mm

3. Reference without puncture

a. Pressure holding test without tire sealant

Test start: 6th February 2017
Test end: 7th February 2017
Inflate tire up to 10 bar and let it stay for 24 h
Pressure loss after 24 h: 4 bar

b. Pressure holding test with tire sealant

Test start: 9th February 2017
Test end: 10th February 2017
Inflate tire up to 10 bar and let it stay for 24h.
Pressure loss after 24h: 1,5 bar

4. Preparation with puncture

- Making a hole in the tire with a cutting tool 6 x 2 mm.
- Plugging the hole with MaXalami Insert tool and MaXanossi 1,5 mm x 50 mm plug.



5. Without tire sealant

a. Pressure holding test

Test start: 4th February 2017

Test end: 5th February 2017

Inflate tire up to 10 bar and let it stay for 24 h.

Pressure loss after 24 h: 4,5 bar



a. Field test

Test start: 5th February 2017

Test end: 6th February 2017

Conditions: outside road, wet & dust

Pressure: 8 bar

Check after 85 km (4 hours): Pressure loss 2 bar



Inflate up to 8 bar

Check after 200 km (5 hours): Pressure loss 2 bar



6. With tire sealant

- 40 ml Continental REVO Sealant
- used tire out of test 5

a. Pressure holding test

Test start: 6th February 2017
Test end: 7th February 2017
Inflate tire up to 10 bar and let it stay for 24h.
Pressure loss after 24h: 1,5 bar

b. Field test

Test start: 11th February 2017
Test end: 12th February 2017
Conditions: outside road, wet & dust
Pressure: 8 bar
Check after 90 km (4 hours): Pressure loss 1 bar

7. Result

The product MaXalami tubeless repair can be used to plug punctures on road tubes. High pressures did not affect the fit of the plug. It did not move during the test. The major part of the pressure loss was caused by the connection of rim flange and tire. Special road rims for tubeless use are available on the market.

8. Examples for available tubeless road tires on the market

Bontrager

- R2 TLR
- R3 TLR
- AW2 TLR
- CXO TLR
- CX3 TLR

Hutchinson

- Fusion 3 Tubeless
- Sector
- Fusion 5 Galaktik
- Fusion 5 Performance
- Fusion 5 All Season
- Intensive 2

IRC

- Formula Tubeless RBCC
- Formula Pro Tubeless Light
- Formula Pro Tubeless X-Guard
- Roadlite Tubeless
- Serac CX Tubeless
- Serac CX Tubeless X-guard
- Serac CX Sand Tubeless
- Serac CX Sand Tubeless X-Guard
- Serac CX Mud Tubeless
- Serac CX Mud Tubeless X-Guard

Maxxis

- Padrone TR
- Padrone TL
- Radiale TL
- Re-Fuse
- Rambler
- Mud Wrestler

Schwalbe

- Pro One
- X-One Allround
- X-One Bite
- G-One Allround
- G-One Speed

Specialized

- S-Works Turbo Tubeless
- S-Works Turbo 2Bliss Ready
- Roubaix Tubeless
- Sawtooth 2Bliss Ready
- Trigger Pro 2Bliss Ready
- Tracer Pro 2Bliss Ready
- Terra Pro 2Bliss Ready

Vittoria

- Corsa Speed (Open TLR)

9. Examples for available tubeless road wheels on the market

Cantilever

- American Classic Sprint 35Q Tubeless
- Bontrager Aeolus 3 TLR Clincher
- Campagnolo Shamal 2-Way-Fit
- DT Swiss R32
- Easton EA 90 SLX
- Reynolds Strike SLG
- Shimano Dura Ace WH-R 9000
- Shimano Ultegra WH-R 6800
- Syntace W21 Road

Disc

- DT Swiss RC 28 DB
- Reynolds Assault SLG DB
- Syntace W21 Road Disc
- Zipp 30 Course DB

Kelkheim, 15th February 2017



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