

# ***TESTING***

**Test data conducted by  
independent testing facilities in  
the U.S. and Europe**

## **Safety Seal +Plus+The Liquid Patch Tire Repair System**

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For additional information visit:

[www.nslsales.com](http://www.nslsales.com)

**A**

**EC-R 30  
HIGH SPEED TEST**

**Test Date: 2/20/15**

**Testing Facility: TUV Nord Mobilitat GMBH E  
Essen Germany**

**Test Tire: Dunlop Sportmaxx GT Y Rating +300  
Km/h 265/35 R119 T**

**Tire#: 22480 One 5MM/.20 in puncture in tread.**

**Load: 510 kg @ 3.2 bar**

**Test Type: EC-R 30**

<b>Step</b>	<b>Duration (min)</b>	<b>Speed (km/h)</b>
<b>1</b>	<b>10</b>	<b>0-270</b>
<b>2</b>	<b>10</b>	<b>270</b>
<b>3</b>	<b>10</b>	<b>280</b>
<b>4</b>	<b>10</b>	<b>290</b>
<b>5</b>	<b>20</b>	<b>300</b>

**RESULTS**

**Tire punctured 5mm/.20 Puncture repaired with Safety Seal +Plus+ The Liquid Patch Tire Repair System. Following ECR-30 Test protocols of load/speed/duration. After testing tire maintained inflation pressure with no damage to tire and repair.**

**B**

**EC-R 30**

**HIGH SPEED TEST**

**Test Date: 2/20/15**

**Testing Facility: TUV Nord Mobilitat GMBH E  
Essen Germany**

**Test Tire: Dunlop SP Quartomaxx**

**V Rating +240 km/h 235/65 R17 T**

**Tire#22479. One 5MM/.20 in p  
puncture in tread.**

**Load: 728 kg @ 3.0 bar**

**Test Type:EC-R 30 +**

<b>Step</b>	<b>Duration (min)</b>	<b>Speed (km/h)</b>
<b>1</b>	<b>10</b>	<b>0-210</b>
<b>2</b>	<b>10</b>	<b>210</b>
<b>3</b>	<b>10</b>	<b>220</b>
<b>4</b>	<b>10</b>	<b>230</b>
<b>5</b>	<b>20</b>	<b>240</b>

**RESULTS**

**Tire punctured 5mm/.20 Puncture repaired with Safety Seal +Plus+ The Liquid Patch Tire Repair System. Following ECR-30 Test protocols of load/speed/duration. After testing tire maintained inflation pressure with no damage to tire and repair.**

**C**

**ECE-R54  
Truck Tire Test**

**Test Date: 11/28/08**

**Testing Facility: TUV Nord Mobilitat GMBH  
Essen Germany**

**Test Tire: Continental 315/80 R22,5  
Tire#21989**

**Load Capacity: 4000 kgs Single 3350 kg Twin  
One 6MM/.235 in puncture in tread**

**Load: 3750 kg @9.0 bar**

**Test Type: ECE-R54**

**Total Test Time 47 Hours.**

**Tire run:**

**7 hours @ 43 MPH 66% load,**

**16 hours @ 43MPH 84% load,**

**24 hours @ 43MPH 101% load.**

**RESULTS**

**Tire shows no air loss or structural defects.**

**Inspection of the repairs at inner show repairs to  
be completely intact and perfectly adhering to  
inner liner.**

**D**

**EC-R 30**  
**High Speed Test**

**Test Date: 6/20/2006**

**Testing Facility: TUV Nord Mobilitat GMBH  
Essen Germany**

**Test Tire: Pirelli PZero Rosso Y Rating 1  
180mph 225/45 R17 Tire#19185.  
One 6MM/.235 in puncture in tread**

**Load: 418 kg @ 3.2 bar**

**Test Type: EC-R 30 + additional step. Tire  
taken up to maximum rated speed 180MPH in  
steps over 1 hour with last 10 mins @180mph.  
Tire then run for an additional 10 minutes at  
192MPH exceed EC-R30.**

**RESULTS**

**After test completion tire shows no air loss or  
structural defects. Inspection of the repairs at  
inner show repairs to be completely intact and  
perfectly adhering to inner liner.**

**E**

**EC-R 30**  
**Run Flat-High Speed**

**Test Date: 6/20/2006**

**Testing Facility: TUV Nord Mobilitat GMBH  
Germany**

**Test Tire: Eagle NCT-5 Run Flat V Rating  
+130 mph 205/55 R16 Tire#19186.  
One 6MM/.235 in puncture in tread**

**Load: 448 kg @3. bar**

**Test Type: EC-R 30 + additional step. Tire  
taken up to maximum rated s  
speed(144MPH) in steps over 1 h  
hour with last 20 min. @144mph.  
Followed by tire deflated  
“Run Flat” @48mph for 1 hour.  
Tire re-inflated and tested for air  
retention.**

**RESULTS**

**Tire shows no air loss or structural defects.  
Inspection of the repairs at inner show repairs to  
be completely intact and perfectly adhering to  
inner liner.**

**F**

**EC-R 30**  
**Run Flat-High Speed**

**Test Date: 6/20/2006**

**Testing Facility: TUV Nord Mobilitat GMBH  
Essen Germany**

**Test Tire: Eagle NCT-5 Run Flat  
V Rating +130 mph  
205/55 R16 Tire#19187.  
One 6MM/.235 in puncture in  
tread**

**Load: 448 kg @ 3,0 bar**

**Test Type: EC-R 30 + additional step. Tire run  
deflated "Run Flat" one hour at 48  
Mph(superseding EC-R30). Tire  
immediately re-inflated then taken up  
to maximum speed 144mph in steps o  
over one hour with last 20 minutes at  
144mph. Tire checked for air  
retention.**

**RESULTS**

**After test completion tire shows no air loss or  
structural defects. Inspection of the repairs at  
inner show repairs to be completely intact and  
perfectly adhering to inner liner.**

**G**

**FMVSS-139  
ENDURANCE TEST**

**Test date: 3/3/2004-3/8/2004**

**Test facility: Smithers Scientific  
Services**

**Test Tire: Eagle GT HR  
P205/65R 15 92H Tire #364-0036  
4 x 1/4" punctures in tread.**

**Load: 1400 26psi**

**Test Type: FMVSS-139 Endurance  
100.33 hours 7426 miles @75 mph.**

**RESULTS**

**Tire shows no loss of air or structural defects. Inspection of the repairs at inner liner show repairs to be completely intact and perfectly adhering to inner liner.**



**H**

**FMVSS-139  
HIGH SPEED TEST  
+ ENDURANCE TEST**

**Test date: 3/03/2004-3/03/2004**

**Test facility: Smithers Scientific  
Services**

**Test Tire: Eagle GT HR  
P205/65R 15 92H Tire # 364-0037  
4 x 1/4" punctures in tread.**

**Load: 1190 32 psi**

**Test Type:FMVSS-139 High Speed  
+Endurance 350 hours 241 miles Max  
speed 1.20 hours@99mph**

**RESULTS**

**After test completion tires shows no  
loss of air or structural defects.  
Inspection of the repairs at inner  
liner show repairs to be completely in  
tact and perfectly adhering to inner  
liner.**

**I**

**FMVSS-139  
ENDURANCE TEST**

**Test Date:03/03/2004-03/05/2004**

**Testing Lab: Smithers Scientific Services**

**Test Tire: Goodyear Wrangler RT/S  
LT245/75R16 Tire No-364-0038  
4 x ¼” punctures in tread 3042 lbs.  
59 psi.**

**Test Type: FMVSS-139 Endurance  
Total test duration 35.50 hours 2663  
miles @75 mph.**

**RESULTS**

**After test completion tires shows no loss of air or structural defects. Inspection of the repairs at inner liner show repairs to be completely intact and perfectly adhering to inner liner.**

**J**

**DOT 109  
ENDURANCE TEST**

**Test Date: 12/4/1996-2/7/1997**

**Testing Facility: Smither's Scientific Services**

**Test Tire: Michelin XGT-V4  
205/60R 15 Tire #364-0034  
Two 1/4" punctures in tread**

**Test Type: DOT 109 ENDURANCE  
60,013 mile-1200 hrs**

**Load: 1153 lbs@30psi**

**RESULTS**

**Tires show no loss of air. Inspection repairs at inner show repairs to be completely intact and perfectly adhering to inner liner.**

# **K Long Term Truck Tire Endurance Test**

**Test date: 1/30/2001-11/27/2001/**

**Testing facility: Severance Trucking Co.  
Dracut Ma.**

**Test Tire: Bridgestone V Steel Rib 11R22.5**

**Load Rating: G Plies 14**

**Test Type: One 5/16” puncture in tread area on outside tire 40Ft Tandem repaired at North Shore Labs facility. Tire mounted at Severance Trucking. Beginning mileage 13,595 -Ending Mileage 57,732. when tire removed from service. Commercial load @90PSI. Trailer used in normal freight delivery.**

## **RESULTS**

**Tires tested and inspected monthly. Tires show no loss of air or structural defects. I Inspection of the repairs at inner liner at test conclusion show repair to be completely intact and perfectly adhering to inner liner.**

