

Police Department Sweden

* ENGLISH TRANSLATION

TEST RESULTS OF ULTRA SEAL

Made By Police Department of Vinslou, Kristianstad, Sweden

Saturday, October 31, 1981

PLACE: Uno-X Police Service Station, Vinslou, Sweden
TIRE: National Steel Radial 800, Tubeless, Made in Korea,
PB 31609A
Depth of tire tread: $2\frac{1}{2}$ -3 mm (Approx. 1/8")

PREPARATION: Filled with 3.5 deciliter (12 fl.oz.) ULTRASEAL Tire
Sealant

WITNESS: Anders Svensson, Uno-X Police Service Station
Vinslou, Sweden

Sunday, November 1, 1981

TEST: Drove over board with 15 steel nails, 26 mm long (1")
and 3 mm diameter (Approx 1/8").

AIR PRESSURE: 2 kilograms*

RESULT: No airloss

AIR PRESSURE: 1.95 kilogram* (Or $2\frac{1}{2}\%$ loss of air pressure)

WITNESS: Anders Svensson

Tuesday, Nov. 3, 1981

PLACE: Vinslou Pistol Range with same tire as above

TEST #1: Shot with a .38 caliber pistol; 1 shot, air pressure = 2.0 kg.
Shooter, policeman Karl Erik Eliasson of Vinslou.

RESULT: After shot, a small amount of air escaped. The car was then
driven back and forth, during which the ULTRASEAL plugged the
bullet hole. Air pressure afterwards was 1.8 kilogram. (10%
pressure loss)

TEST #2: Drove over a board with 15 steel nails, 26 mm long and 3 mm
in diameter.

RESULT: No air escaped. Air pressure remained 1.8 kg.

TEST #3: Shot with a .38 caliber pistol, one shot. Air pressure = 1.8 kg.
Shooter, policeman Karl Erik Eliasson.

RESULT: No loss of air pressure--maintained at 1.8 kg.

*In SWEDEN, as in much of Europe, air pressure is measured on a different scale
than in the United States. Normal air pressure for a common car tire is 1.8
kilograms to 2 kilograms.

Tests Continued

TEST #4: Shot with a .44 magnum pistol, one shot, same shooter.
Air pressure = 1.8 kg.

RESULT: Upon entry of bullet, there was a surge of escaping air.
Car was driven back and forth until hole was sealed with
ULTRASEAL. Air pressure: 0.6 kg. (66% air pressure loss)

REMEDIAL ACTION: Tire was pumped up to 1.2 kg. and was driven 2 kilometers
(1.2 miles) to Uno-X Police service station in Vinslou.
There, air pressure was checked and was found to be still
at 1.2 kg. After that, the tire was pumped up to 2.0 kg.
and then to 2.5 kg. to check the bullet hole. After that,
air pressure was lowered to 1.8 kg. After 15 minutes, air
pressure was checked and was without change.

All testing of the air pressure was done by Krister
Kjellander, Vinslou.

WITNESSES: Karl Erik Eliasson, (Policeman) Vinslou, Sweden
Krister Kjellander, (Policeman) Vinslou, Sweden

Wednesday, November 4, 1981

The air pressure was tested and was found to be 0.9 kg.,
which means after 20 hours, the tire lost 0.9 kg. (50%) air
pressure. The tire was then pumped up to 1.8 kg. and was
driven 150 kilometers (90 miles).

SUMMARY: During the above four-day tire test, the tire was driven
over the nail board (with 15 steel nails) 5 times each day,
or subjected to 75 nail punctures each day. (Total 300
punctures).

It was also shot 2 times with a .38 caliber pistol and 1
time with a .44 magnum.

The tire was still in driveable condition after all of
this abuse, which demonstrates the superior quality of
ULTRASEAL.

Lördag den 31 oktober 1981.

Plats: Uno-X Bensinstation i Vinslöv.

Objekt: National Steel Radial 800, Tubeless, Made in Korea, PB 31609A,
Mönsterdjup ca 2.5-3mm.

Åtgärd: Påfyllnad utav 3.5 dl ULTRA SEAL antipunkteringsvätska.

VITTNÉ:

Anders Svensson

Uno-X Bensinstation tel: 044-81111

Lommarp 1, 288 00 Vinslöv

Söndag 1 november 1981.

Prov: Kört över plankor med 15 stålspik, 26mm långa, 3mm diameter.

Lufttryck: 2.0kg.

Resultat: Ingen punktering.

Lufttryck: 1.95kg.

VITTNÉ:

Anders Svensson

Uno-X Bensinstation tel: 044-81111

Lommarp 1, 288 00 Vinslöv

Tisdag 3 november 1981.

Plats: Vinslövs Pistolskyttebana.

Tid: 13.30-14.30.

Objekt: National Steel Radial 800, Tubeless, Made in Korea, PB 31609A
Mönsterdjup ca 2.5-3mm

Prov 1: Skjutning med pistol 5.4mm kaliber, 1 skott, lufttryck 2.0kg. Skytt
Karl-Erik Eliasson, Storgatan 29, 288 00 Vinslöv, tel 044-81280.

Resultat: Efter skott kom lite luft ur hålet men då bilen kördes fram och
åter självlagades hålet. Lufttryck efter skott 1.8kg.

Prov 2: Kört över plankor med 15 stålspik, 26mm långa, 3mm diameter.

Resultat: Ingen punktering, oförändrat lufttryck 1.8kg.

Prov 3: Skjutning med pistol 5.4mm kaliber, 1 skott, lufttryck 1.8kg, Skytt
Karl-Erik Eliasson, Storgatan 29, 288 00 Vinslöv, tel 044-81280.

Resultat: Ingen lufttutsösmning, oförändrat lufttryck 1.8kg.

Prov 4: Skjutning med pistol magnum 9.1mm kaliber, 1 skott, samma skytt.

Resultat: Efter skott kom ett kraftigare lufttutaläpp genom skothålet.

Åtgärd: Bilen kördes fram och åter ett antal gånger tills hålet självlagades.

Lufttryck: Före prov 1.8kg efter prov 0.6kg.

Åtgärd: Däcket pumpades upp till 1.2kg och kördes ca 2km till Uno-X Bensin-
station i Vinslöv där lufttrycket kollades - oförändrat, därefter
pumpades det upp till 2.0kg och därefter till 2.5kg för kontroll av
skjuthålen, därefter åter ner till 2.0kg igen. Efter ca 15 minuter
kontrollerades lufttrycket igen - oförändrat.

Provtryckningen gjordes av Polisman Krister Kjellander, Vinslöv

VITTNÉ:

Karl-Erik Eliasson

Storgatan 29, 288 00 Vinslöv

Telefon 044 - 81280

Krister Kjellander

Knutagatan 49, 288 00 Vinslöv

Telefon 044 - 81960

Onsdag 4 november 1981.

Däcket provtryckt hos Uno-X Vinslöv, tryck 0.9kg, under 20 timmar hade 0.9kg
gått ur däcket. Däcket pumpades upp till 1.8kg och kördes ca 15 mil innan
det av trafiksäkerhetsskäl måste bytas eftersom mönsterdjupet är olagligt.

Garanti: ULTRA SEAL garanterar att laga hål upp till 2.5 mm under en tid av
2 år eller 6.400 mil eller pengarna tillbaka.

Testdäcket hade under 4 dagar körts över plankan 5 gånger - 75 hål samt blivit
beskjutit med 2 skott av 5.4mm kaliber samt 1 skott av 9.1mm magnum och däcket
var fortfarande körbart efter denna behandling vilket bevisar dess fantastiska
egenskaper.