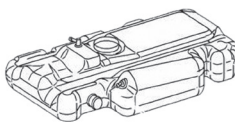
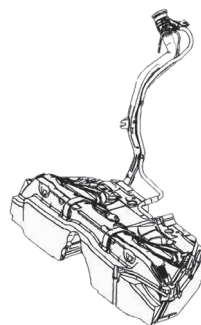




Your vehicle
security specialist



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TSS ProtecTank™

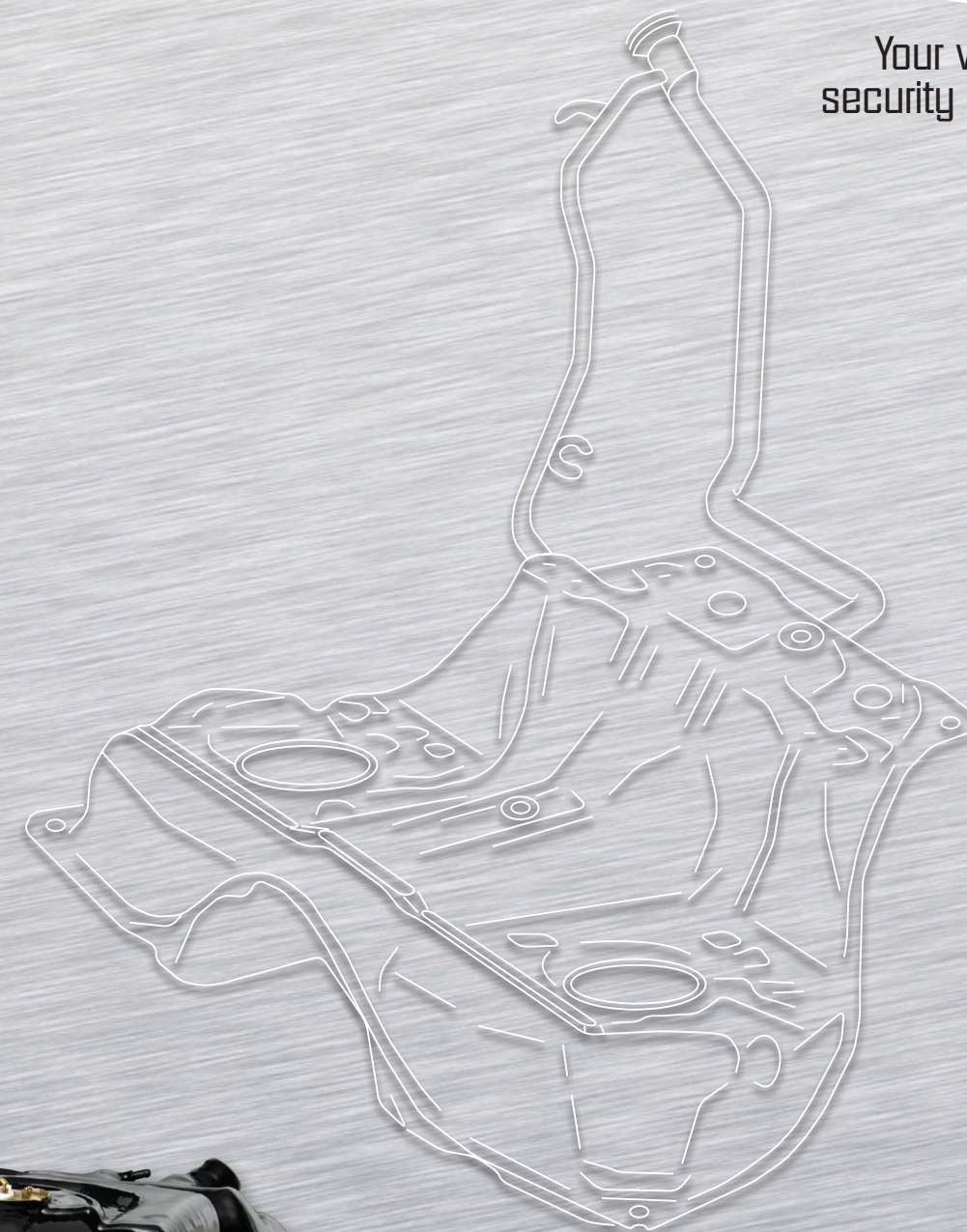
- Explosion-suppressant
- Fuel Capacity reduction less than 3%
- Self-sealing
- Prevent leakage caused by gunfire
- Original fuel tank applications
- Minimal additional weight
- Tested by TNO Laboratories, Netherlands
- Tested by Beschußamt, Germany

For more information, please visit:

WWW.PROTECTTANK.COM



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TSS PROTECTANK™



Avoid the danger of fire and explosion with TSS ProtecTank™



Your vehicle
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**Convert
your existing
fuel tank into a
TSS ProtecTank**

TSS Explosion-Suppressant fuel tanks are manufactured
using a flexible, open-pored polyurethane safety foam.

A must for all (light) armoured vehicles is the TSS ProtecTank. Suitable for most types of transportation, it provides crucial protection with a significant weight reduction in comparison to the armour around your fuel tank.

Your original fuel tank is converted to a ProtecTank by means of a three-level protection: Against explosion, leakage and fire. Danger of explosion is limited to a minimum by inserting a safety foam. Leakage is stopped by a protective layer which self-seals after the fuel tank has been punctured. The surface of ProtecTank treatment is a flame retardant layer, which will slow down the effects of open fire on your fuel tank, preventing it from igniting.

Danger of explosion caused by gunfire is virtually eliminated by ProtecTank. It protects your fuel tank against all handguns,

including 3.57 and .44 Magnum, 5.56 and 9 mm NATO and 7.62 AP ammunition.

Tests have also successfully been done with DM52 hand-grenades.

ProtecTank keeps your fuel in the tank, where it's safe and usable.



Self Sealing material build-up

External flame retardant coating

Fuel deposit

Internal explosion-suppressant material (optional)

Intermediate layers of Twaron® or Dyneema® for additional strength

Intermediate self-sealing layers

Fuel level indicator

Original fuel tank

Different levels of protection

Tank treatment	Protection level	Additional weight per 100 liter fuel tank	Life expectancy	Self Sealing properties	Explosion-Suppressant material
Explosion-Suppressant & Flame Retardant	All handguns	± 5 kilograms	> 10 years	N/A	Explosafe or Safety Foam Type IV
Explosion-Suppressant & Self-Sealing & Flame Retardant	All handguns	± 20 kilograms	> 10 years	All handguns	Explosafe or Safety Foam Type IV
Self-Sealing & Flame Retardant	All handguns	± 12 kilograms	> 10 years	All handguns	Optional
Self-Sealing & Flame Retardant	12.7 mm	± 25 kilograms	> 10 years	All handguns	Optional
Self-Sealing & Flame Retardant	14.5 mm New development				

TSS ProtecTank™ for armoured cars

The external surface of fuel tanks are coated with self-sealing materials to prevent leakage, and the inside is filled with explosion-suppressant materials. The final outer coating is flame retardant according to UL94 Standards.

Protectanks have undergone ballistic tests with several types of ammunition:

• Caliber 5.56 NATO & AP • Caliber 7.62 NATO & AP • Caliber .44 Magnum • Caliber .357 Magnum
• Caliber 9 mm NATO • Caliber 12.7 (optional) • Caliber 14.5 (new development)
and with explosions against 2 each DM51 Hand Grenades

Independent tests have been carried out by the TNO Laboratory in Holland and the Beschußamt in Germany. Original fuel tanks can be modified to be able to survive ballistic and explosion attacks. The self-sealing materials are specifically developed and are capable of sealing entrance and exit holes caused by multiple shots and/or heavy fragmentation impacts.

TSS, YOUR VEHICLE SECURITY SPECIALIST

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