TSS International Armour Mobility

Specialists for:
- Military Runflat systems
- Civilian Runflat systems
- Brake systems for armoured vehicles
- Protected fueltanks
- Two-piece wheels with bead locks
- Vehicle intercoms
- Tyre pressure monitoring and adjustment systems
- Impact absorption Skydex

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TSS Protected Fuel Tanks

TSS ProtectTank® benefits
• Self-Sealing
• Prevents leakage caused by gunfire
• Tested by TNO Laboratories, Netherlands
• Tested by Beschussamt, Germany
• Original fuel tank applications
• Minimal additional weight
• Fuel Capacity reduction less than 3%
• Explosion suppressant (only upon request)

For more information, please visit:
www.protectank.com
or go to
www.tssh.com
A must for all armoured vehicles is the TSS ProtecTank®. Suitable for most types of transportation, it provides crucial protection with a significant weight reduction in comparison to conventional armour around your fuel tank. Your original fuel tank is converted to a ProtecTank® by means of several protection levels against leakage, fire and an option for explosion suppressant. 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 effect of open fire on your fuel tank, preventing it from igniting.

Danger of explosion is limited to a minimum by inserting a safety foam (only upon request).

TSS ProtecTank® offers different levels of protection

<table>
<thead>
<tr>
<th>Tank treatment</th>
<th>Protection level</th>
<th>Additional weight per 100 liter fuel tank</th>
<th>Life expectancy</th>
<th>Self Sealing properties</th>
<th>Explosion-Suppressant material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion-Suppressant &amp; Flame Retardant</td>
<td>All handguns</td>
<td>± 5 kilograms</td>
<td>&gt; 10 years</td>
<td>N/A</td>
<td>Explosafe or Safety Foam</td>
</tr>
<tr>
<td>Explosion-Suppressant &amp; Self-Sealing &amp; Flame Retardant</td>
<td>All handguns</td>
<td>± 20 kilograms</td>
<td>&gt; 10 years</td>
<td>All handguns</td>
<td>Explosafe or Safety Foam</td>
</tr>
<tr>
<td>Self-Sealing &amp; Flame Retardant</td>
<td>All handguns</td>
<td>± 12 kilograms</td>
<td>&gt; 10 years</td>
<td>All handguns</td>
<td>Optional</td>
</tr>
<tr>
<td>Self-Sealing &amp; Flame Retardant</td>
<td>12.7 mm</td>
<td>± 25 kilograms</td>
<td>&gt; 10 years</td>
<td>All handguns</td>
<td>Optional</td>
</tr>
<tr>
<td>Self-Sealing &amp; Flame Retardant</td>
<td>14.5 mm New development</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

TSS ProtecTank® for armoured cars

Original fuel tank applications with a minimal additional weight. The external surface of a fuel tank is coated with self-sealing materials to prevent leakage and fire. The final outer coating is flame retardant according to UL94 Standards. Depending on the shape of the fuel tank the danger of explosion can be limited to a minimum by inserting a safety foam (only upon request).

ProtecTank® has undergone ballistic tests with several types of ammunition

Independent tests have been carried out by the TNO Laboratory in Holland and the Beschussamt in Germany. 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. Original fuel tanks modified to be able to survive ballistic and explosion attacks have been tested successfully.