



SCANFIBER COMPOSITES A/S



Scanguard Ceramic Armour

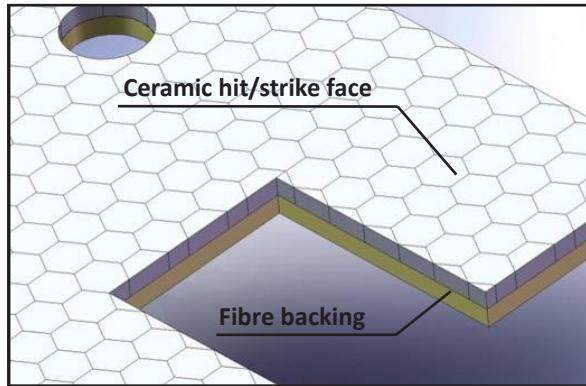
Military and civilian application system made as either a stand alone system or as an integrated part of a vehicles existing armour

Scanfiber has several ceramic solutions that increases a vehicles protection level significantly, saving the lives of the operators in the vehicles. The ceramic panels can be implemented in both civilian and military vehicles and either be made as a stand alone protection level or integrated in the vehicles basic armour.

The solutions are custom made and fitted to each specific vehicle, which gives an outstanding performance against fragments from bombs and shootings. At the same time the solutions are very weight saving and is thereby not interfering with the maneuverability of the vehicle. All ceramic products are tested according to NATO STANAG 4569 and are made to withstand level 1 to 5.

Composite armour with ceramics

The ceramic armour panels are made of small ceramic tiles glued together in an advanced gluing process. Underneath the ceramics we find the fiber composites as backing, and the two materials combined gives a very high level of protection. Around the two plates a multi-resistant urea coating is installed in order to secure the ceramics against wear and tear.



Scanguard™ panel: Alumina or SiC ceramics. Special cut tiles that secures the AoA with a very high edge effect. Backing is made of either Polyethylene, Aramid or fibre glass. All the parts are glued together.



Scancoat™: Multi resistant urea coating. Marked with "Hit Face" to secure that the panels are correctly mounted with the ceramic as the first crashing layer and the fiber composites as backing.

Extremely high multi-hit performance



The Multi-hit capability that is as good as armoured steel.



*Test of entire vehicle with 7.62 mm AP WC:
no penetrations.*

Technical Specifications:

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| Ballistic level: | Scanguard ceramic is tested according to NATO STANAG 4569 - Level 1 to 5 - with different weight units and measurements depending on the material the armour will be supporting. |
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