

FY-COMPOSITES



RAPID ARMOR SHELTER SYSTEM

Modern Ballistic Protection for Mobile Troops

RAPID ARMOR
SHELTER SYSTEM



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Novelty in Operational Security



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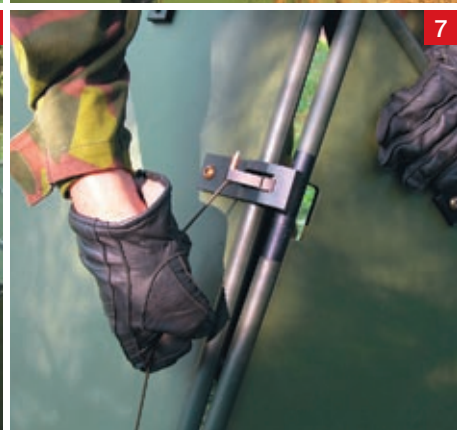
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RAPID ARMOR SHELTER SYSTEM

The Rapid Armor Shelter System (international patent pending) is a new, innovative ballistic protection system. This military certified lightweight fortification wall system is ideal for fast moving troops. Fortification walls can be built and dismantled in a few minutes allowing troops to be protected even during short stops or operations. Panels protect men or property mainly from fragments, protection level is $v_{50} > 600$ m/s (1,1 g FSP, STANAG 2920). For bullet protection a double panel system can be used.

The Rapid Armor Shelter System is simple and easy to use. Two basic shapes, squares (side length 950 mm, weight approx. 18 kg/each) and triangles (side length 950 mm, weight approx. 8 kg/each), are equipped with innovative quick coupling devices and supporting legs enable the construction of a large number of various fortification combinations in a very short time.

All components are capable of withstanding UV-radiation, fuel and oil spatters as well as temperatures between -40°C and $+60^{\circ}\text{C}$. Panels do not absorb moisture.

This multipurpose protection system is easy to adapt for various military, police and peace keeping applications, e.g. protection during military operations, mine clearing activities, military or police sieges, UN personnel and property protection, as well as protection of humanitarian organisations.

The Rapid Armor Shelter System can also be used for civilian protection, e.g. protection of window and door openings.

When hung outside of vehicles during transportation, panels protect the men and property inside the vehicles.

- 1 Rapid Armor Shelter System provides protection to mobile troops.
- 2 Color is optional.
- 3 The most uncomplicated application for one person.
- 4 Increased protection level can be reached by using double wall panelling and sand between panels.
- 5 Protecting ammunition is sometimes relevant.
- 6 Rapid Armor Shelter System is ideal for protecting strategically important units.
- 7 The quick coupling device is used to fasten or hang panels.



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Quality

FY-Composites Oy's certified quality system conforms to the ISO 9001 and AQAP 2110 standards. The certificates cover development, design, manufacturing, installation, after-sales service and the marketing of composite structures and products.



AQAP 2110
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