

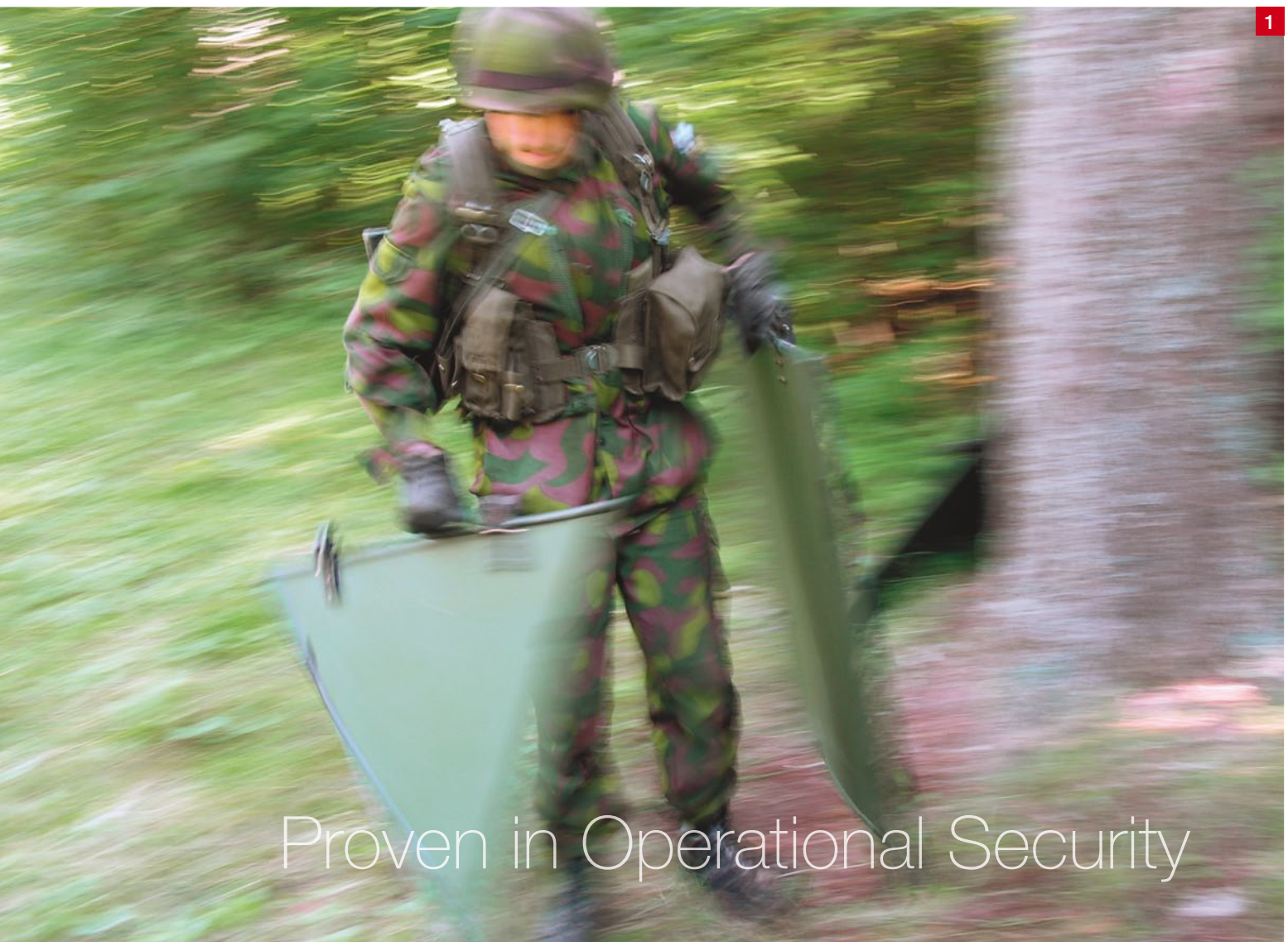
FY-COMPOSITES



RAPID ARMOR® SHELTER SYSTEM

Innovative Ballistic Protection for Mobile Troops

RAPID ARMOR®
SHELTER SYSTEM



RAPID ARMOR® SHELTER SYSTEM

The Rapid Armor® Shelter System (Internationally patented) is NATO codified 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 against fragments and bullets.

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 °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.



Multipurpose Armoring System for Mod



1

1. Mortar Firing Station

Squares – 14 pcs
Triangles – 4 pcs
Support leg – 6 pcs



7

7. Heavy Machine Gun Station

Squares – 8 pcs
Triangles – 7 pcs



2

2. Road Block

Squares – 14 pcs
Triangles – 3 pcs
Separator – 2 pcs



8

8. Vehicle Protection

Squares – 8 pcs
Quantity of panels is depending on vehicle.



3

3. Observation Station

Squares – 7 pcs
Triangles – 4 pcs



9

9. Ammunition Protection Wall

Squares – 12 pcs
Triangles – 2 pcs



4

4. Camp Protection

Squares – 12 pcs
Quantity of panels is depending on tent size.



10

10. Anti-Aircraft Gun Protection

Squares – 42 pcs
Triangles – 8 pcs
Support legs – 6



5

5. Rifle Caliber Bullet Protection Wall

Squares – 6 pcs
Separator – 2 pcs
Quantity of panels is depending on the wall length.



11

11. Double Protection Wall

Squares – 12 pcs
Separator – 4 pcs
Quantity of panels is depending on wall length.



6

6. Fox Hole

Squares – 1 pc
Triangles – 2 pcs



12

12. Protection Box

Squares – 5 pcs

ern Soldiers



13

13. RASS Container

Quantity of panels and accessories can be agreed (max. 1.000 squares).



14

14. Check Point

Squares – 10 pcs
Separator – 4 pcs



15

15. RASS Trailer

Squares – 20 pcs
Separator – 10 pcs
Support legs – 4 pcs
One axle trailer.



16

16. Check Point

Squares – 12 pcs
Triangles – 6 pcs
Support leg – 1 pcs



17

17. Hangar Protection

Squares – 16-24 pcs
Installation bars are integrated in tent frame structure.



18

18. Temporary camp protection wall

Squares 2 pcs / meter of wall.



19

19. Ammo Depot protection

Squares - 13 pcs
Triangles – 1 pc
Amount of panels depends on size of protected area.



20

20. Armored RASS container

10 storing trolleys for quick unloading.
200 RASS panels can be transported.



21

21. Vehicle Protection

Quantity of panels is depending on vehicle.



22

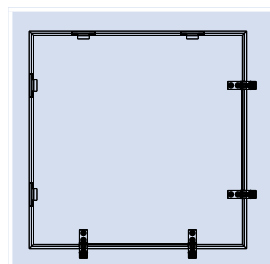
22. Your Application?



RAPID ARMOR® SHELTER SYSTEM

Protection area	Square 0,90 m (950x950 mm) Triangle 0,39 m ² (side length 950 mm)
Fragment endurance	v ₅₀ value > 600 m/s (Single panel STANAG 2920, equivalent to MIL-STD-662E).
Bullet endurance	Single panel - NIJ-STD-0106.01, 9 mm 7.5 g FMJ bullet v > 420 m/s. Double panel with sand – up to 7,62x51 AP WC, M993
Total weight	Square 18 kg Triangle 8 kg
Thickness	9,5 mm
Colour	Olive green, customized colours available.
Reflection	750-950 nm 20-35% (with regular green paint)
Inflammability	Good fire resistance
Heat insulation	Reduces effectively IR-signature

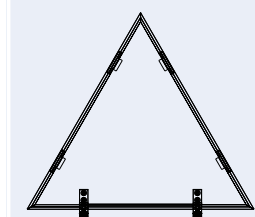
Components and spare parts



COMPLETE SQUARE

FYC Part ID number: 22302

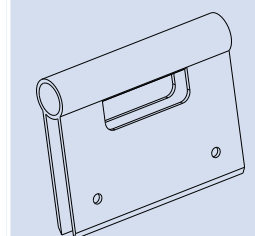
NSN: 2540-58-000-0427



COMPLETE TRIANGLE

FYC Part ID number: 22301

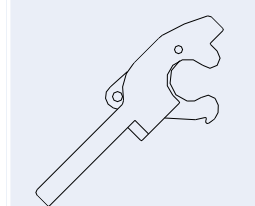
NSN: 2540-58-000-2006



COUNTER PART FOR LOCKING DEVICE

FYC Part ID number: 160000

NSN: 5340-58-000-2012



LOCKING DEVICE

FYC Part ID numbers:

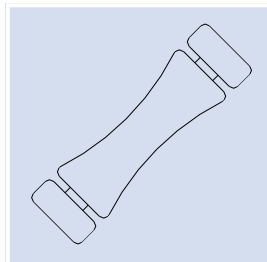
Single: 22313

A pair paired with wire: 22301003

NSNs:

Single: 5340-58-000-2041

A pair paired with wire: 5340-58-000-2042



BRACKET, UPPER

FYC Part ID numbers:

150 mm: 22304, 300 mm: 22305

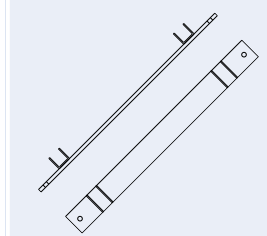
500 mm: 22309

NSNs:

150 mm: 5340-58-000-1988

300 mm: 5340-58-000-2008

500 mm: 5340-58-000-2044



BRACKET, LOWER

FYC Part ID numbers:

150 mm: 22306, 300 mm: 22307

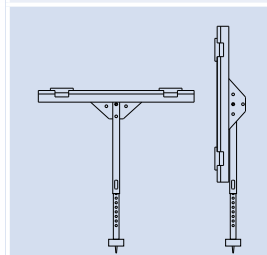
500 mm: 22308

NSNs:

150 mm: 5340-58-000-2009

300 mm: 5340-58-000-2011

500 mm: 5340-58-000-2043



TELESCOPIC SUPPORTING LEG

FYC Part ID number: 22303

NSN: 2590-58-000-2007

TOOL KIT (for field repair)

FYC Part ID number 22312

NSN: 5180-58-000-2014

LINE (for temporary field repair of wire)

FYC Part ID number 22311

NSN: 8340-58-000-2013

FY-COMPOSITES

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
certified firm

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