



FRAGMENT TRAP

PORTABLE EXPLOSION SHIELD

REUSABLE AND FAST PROTECTION

THE FRAGMENT TRAP PROVIDES AN EASY-TO-DEPLOY MEANS TO SHIELD OFF FRAGMENTS FROM EXPLOSIVES WHEN PUBLIC SAFETY IS AT RISK.

The Fragment Trap is based on the Superabsorbent concept. The trap contains packages with Superabsorbent powder which reacts with water to form a Hydrogel. The gel absorbs fragments from explosive.

The trap is reusable if not damaged in action and the Hydrogel can be returned into liquid form with special chemicals. The gel and the chemical are both harmless to the environment. Basic maintenance can be carried out by user.

The basic L-shape allows various set-up possibilities around the explosive depending on the situation. The Superabsorbent concept enables customized forms, shapes and sizes for the trap. The shield can be tailored to different end uses.



TEST RESULTS

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TM n:o 2469:

GEL FILLED PROTECTIVE WALL TESTING

ABSTRACT: SHOT BOMB

Total number of 3300 lead and steel shots were tapped around 500g explosive (PEN0). The Protective wall gave good protection against the shots. After explosion indicator sheet were imperforated. Explosive's distance from the shield was 0,5m and distance from ground 0,3m.

ABSTRACT: 81mm MORTAR SHELL

Explosive's distance from the shield was 0,1m and distance from ground 0,1m. The protective wall gave good protection against fragments. After explosion indicator sheet were imperforated.

TM n:o 2367:

PROTECTIVE WALL BALLISTIC TESTING

ABSTRACT: v-50 value

200mm nominal thickness*) gel filled protective wall manufactured from PVC-coated fabric tested to STANAG 2920 standard with 1.1g steel fragment. Protection level and v-50 value 691 m/s. *) True thickness after filling 320mm.

TECHNICAL SPECIFICATION

BASIC INFO

Weight	35 kg, empty
Height	1000 mm, filled
Width	1400 mm
Thickness	400 mm, nominal
Filling time	2 min, partial protection
Gelling time	15 min, full protection *
Liquefaction time	15 min
Water temperature	10°C **
Hydrogel	Polymer powder and water
Filling pressure	5 bar ***
Filling unit	2" quick release coupling

Both the hydrogel and the liquid are harmless to the environment and can be flushed in to the sewer.

* The nominal reaction time 15 min is reached with 10°C water.

** Temperatures between 0°C - 60°C are allowed. Reaction time is very dependent on water temperature; the higher temperature the faster the reaction.

*** Water pressure over quick release coupling.





BORN TO COVER



IC2 FEENIKS LTD

We have designed, manufactured and supplied a protective textile solutions for civil and authority use since 2011 [Suojasauma Ltd 1989-2011]. Our headquarters is located in Kuopio and all our products are designed and manufactured in Finland. We are specialized in the processing of PVC coated and other technical fabrics by high-frequency welding, as well as industrial sewing products. Our products are used worldwide in the protection of people and materials as well as storing and cleaning materials during crisis and military camouflaging.

PROTECTIVE TEXTILE SOLUTIONS WHICH APPLY TO ALL SITUATIONS WHERE YOU NEED EASILY MOVABLE, QUICKLY DEPLOYED AND RELIABLE PROTECTION REGARDLESS WEATHER OR CLIMATE CONDITIONS.

We are part of Eurofinsa group. Eurofinsa was established in 1977 and it is one of the world-leading companies offering infrastructure and construction services. During its almost 40-year history, Eurofinsa has become known as a reliable and well-established partner capable to carry out challenging projects all around the world in all kinds of conditions.

