FRICTAPE

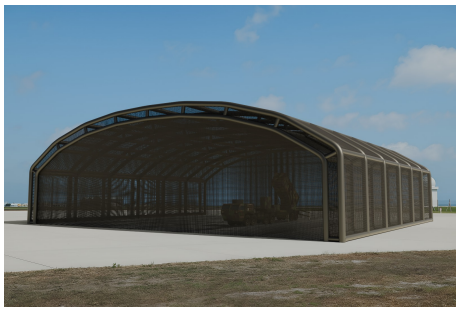
SPIDERNET - C-UAS Arrestor net to protect assets against hostile UAVs and drones

PRODUCT NAME
Frictape SpiderNet

PRODUCT NO.
TBC

APPLICATION
To stop hostile UAVs and drones from hitting high value targets, such as buildings, vehicles and weapons systems

PRODUCT ORIGIN
Made by Frictape in our own factories in Estonia



NET PROPERTIES
>> Kinetic energy absorbent structure, able to withstand and contain UAS hit, typically group 3-4, up to group 5
> Panel shapes and sizes, as well as mesh size widely customizable

>> Failsafe design: Any single element loss does not result in any further loss of structural integrity of the remaining panel structure

>> When new, calculated kinetic energy absorption capacity is 2MJ for a typical 5x5m panel
>> Typical mesh size 5x5cm or higher
>> Electrostatically safe, non-flammable
> For reference, 5x5m sized panel with 5x5cm mesh can absorb kinetic energy of calculated direct impact of Shahed 136 UAV at full speed, max weight, with safety factor of ca 1.4

MATERIAL PROPERTIES
>> Weather resistant UV-protected 2-layer woven synthetic tape construction
>> Material made from special purpose fibers
>> Tape dimensions: c a 30mm (width), 3mm (thickness)
>> Dry weight of a typical 5x5m panel, with 5x5 cm Mesh: ca 250 kgs

STANDARD SCOPE OF SUPPLY FOR THE SET
>> SpiderNet panels packed & marked individually to fit agreed frame structure
>> Premeasured attachment tapes for fast and correct installatoin

>> Documentation included:
- > Installation Manual
- > User Manual
- > Maintenance Manual
- > Frictape Technical Certificate

LIMITATIONS
>> Superstructure must be able to contain similar or higher amounts of kinetic energy as SpiderNet panels

INSPECTIONS
>> Visual inspections on the net and attachments before installation and every calendar quarter
>> Break energy tests recommended to be performed yearly

LIFETIME
>> Unknown currently, depends on environmental factors and required material strength

OTHER REJECTION CRITERIA
>> When a panel is visually broken (cuts, breaks etc.) or chemically (spillage) damaged

REPAIR METHOD
>> Each panel can be replaced individually

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