





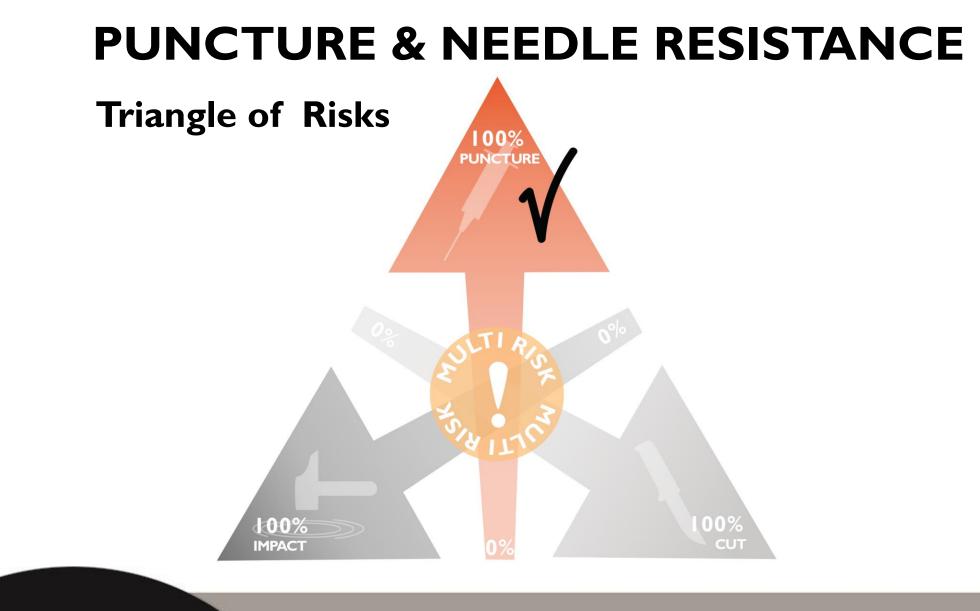
PUNCTURE & NEEDLE RESISTANCE

Content

Triangle of risks	3
Puncture basics	4
Threats and industries exposed	5
The solution	6
Our products	7
Summery / 3 things to remember.	8









PUNCTURE BASICS & TECHNOLOGIES AVAILABLE

Composition of the Puncture threat

- High Force cause material to burst!
- Fine threat cause split and/or cut!
- = Materials must be strong and stiff/dense to stop needles!

Technical solutions

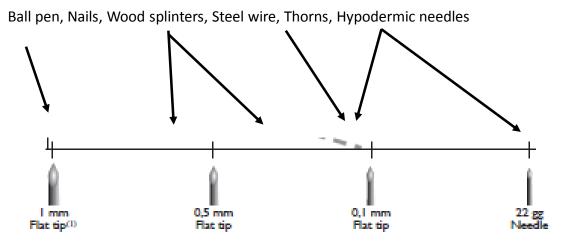
- Super dense fabrics "Eureka SupraBlock SOFT"
- Super dense strong fabrics with ceramic coating "Eureka SupraBlock STOP"
- Ceramic tiles "Hex armor"
- Steel mesh- "Allycore"
- = Each solution has its "Pros and Cons"





THREATS AND INDUSTRIES EXPOSED

Examples of different threats and threat diameters



(I) EN 388 standard

Industries & users

- Waste Collection
- Waste recycling
- Electronic recycling
- Barb wire handling
- Extraction
- Industrial applications
- Steel wire handling
- Wood handling

Cleaning such as:

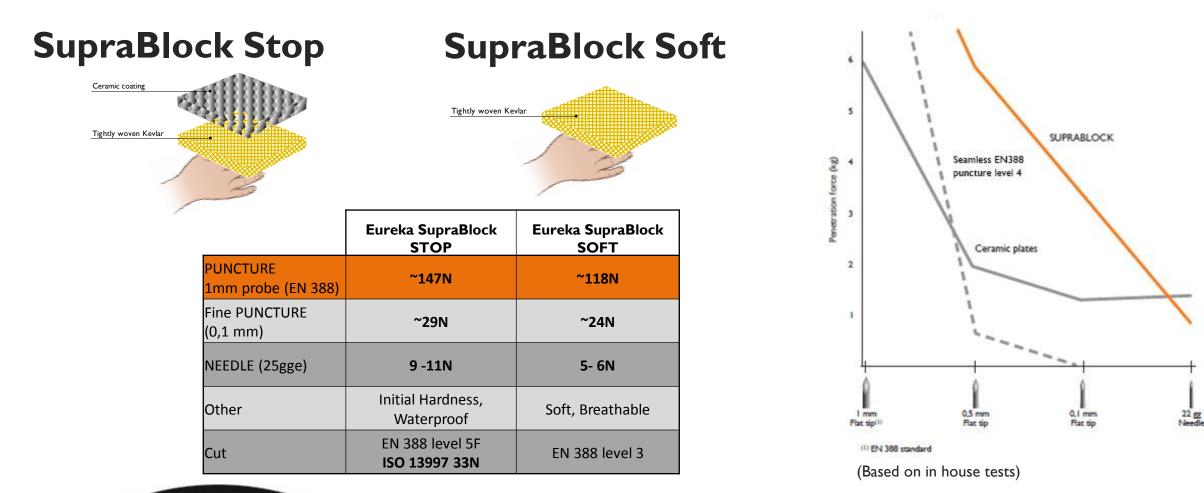
- Hospitals
- Public transport
- Cleaning of parks and public spaces

Security services such as:

- Customs
- Police
- Security guards
- Rescue services



THE SOLUTION TO PUNCTURE & NEEDLE RISKS





EUREKAS PUNCTURE AND NEEDLE PRODUCTS

Puncture Assembly Red

Very high puncture, needle and cut resistance

Puncture Assembly Leather

Designed for high needle and puncture resistance



Impact Xtreme HD

Very high cut, puncture and impact protection



- SupraBlock Stop material in palm and fingers
- PVC dots in palm for improved grip in dirty/muddy conditions
- Hypodermic needle resistance according to ASTM 2878-25 gg. needle = 9 N (28gg needle: 4,75N)
- EN388 cut level 5:F (49N)



Very high puncture, needle and cut resistance

- SupraBlock Stop puncture resistant fabric
- Inside of palm and finger tips are protected

SupraBlock Stop puncture resistant fabric

Can be used under other gloves

Hypodermic needle resistance

Cutlevel F (33N)

Breathable fabric in back of hand

Inside of palm and finger tips are protected

- Black nitrile dots in palm
- Breathable fabric in back of hand
- Hypodermic needle resistance
- Cutlevel F (33N)

I 5-4 Puncture Soft

Designed for dexterity, cut and needle resistance



SupraBlock Soft puncture resistant fabric

SupraBlock Stop puncture resistant

Inside of palm and finger tips are

Hypodermic needle resistance

Black goat leather with heat print logo

fabric

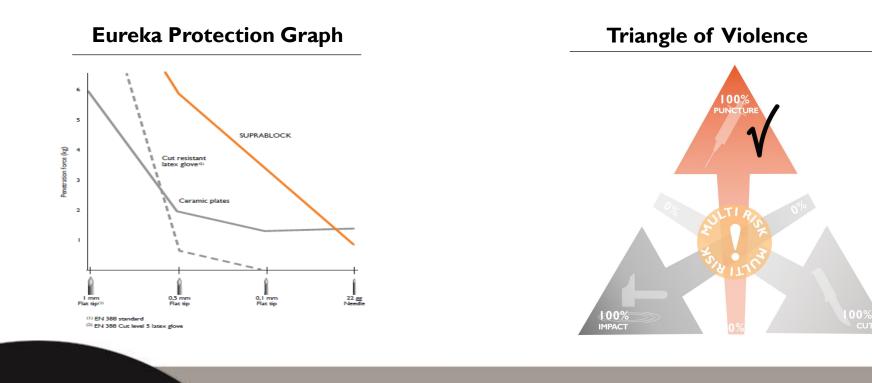
protected

- Para-aramid liner provides cut EN388:5, F (34N)
- Reduced flammability
- Antistatic / Dissipative textile
- Hypodermic needle resistance according to ASTM2878 : 25gg needle = 5,6 N (28gg: 2,2N)



CONCLUSIONS & 2 THINGS TO REMEMBER

- I. A good rating for EN388 (1,0mm) puncture DOES NOT imply good fine needle threat resistance!
- 2. Eureka has two levels of needle resistant products!





FOR MORE INFORMATION

www.eurekasaftey.se

