



PU Tek technology
HYPERTEX



HIGH PERFORMANCE CLOTHING

MOUNTAINEERING FOOTWEAR

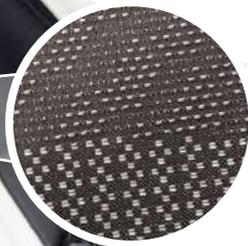
SAFETY FOOTWEAR



**AS STRONG AS AN
ARMADILLO SKIN**



PU Tek technology
HYPERTEX



PU Tek technology use a new concept of threads with super high resistance to abrasion, directly woven in high resistance fabric to achieve textiles with ultimate mechanical performances!

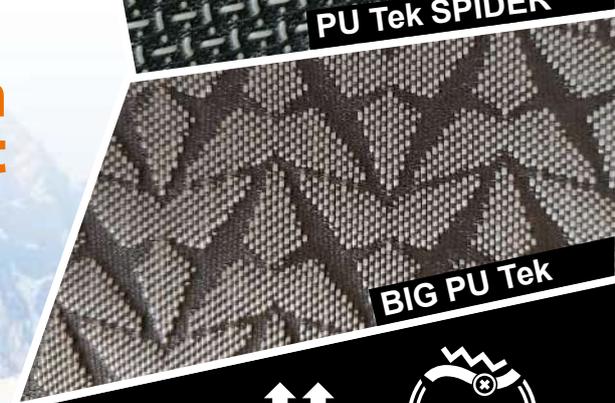
Just touch it to feel it is tough!!



MINI PU Tek



PU Tek SPIDER



BIG PU Tek



DURABLE



LIGHTWEIGHT



FLEXIBLE



PVC
FREE

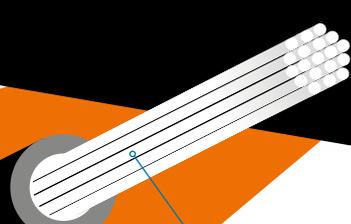


HIGH
BREATHABILITY



ABRASION
RESISTANT

SECTION OF A PU Tek THREAD



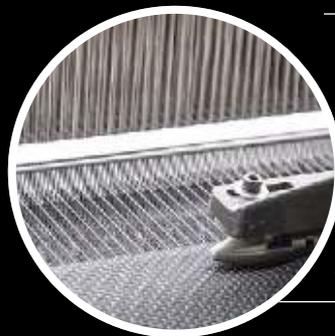
**HIGH TENACITY
POLYESTER CORE**

**EXTERNAL
PU COATING**

Visual inspection



Weave



Laboratory assessments





PU Tek technology
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EN 388 ABRASION RESISTANCE TEST ON SAND PAPER

CORDURA 1000

VS

PU Tek SPIDER



BEFORE

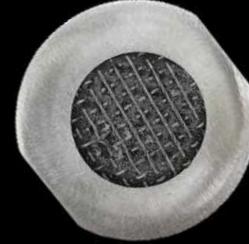


AFTER
1100 CYCLES

Abrasion resistance test



BEFORE



AFTER
> 8000 CYCLES

Tested by



Laboratory report confirms
high abrasion resistance of
PU tek material.



SCUFF CAP AREA

EN 20345:2021 REQUIRES
8000 cycles

Abrasion resistance of scuff cap area material.



PU Tek technology
HYPERTEX

PU Tek SPIDER
TEST REPORT
> 8000 cycles





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HYPERTEX

FAQ



What makes PU Tek fabrics unique?

The PU Tek thread, developed in partnership with a German manufacturer and produced by them exclusively for FF Lenzi, has a particular polyurethane coating over a high tenacity polyester core. This combination makes these yarns extremely resistant to traction and abrasion. Directly woven into the structure of the fabrics, they makes these materials particular and unique for their characteristics of resistance to abrasion.

How can you recognize a PU Tek fabric?

Imitations with similar aesthetics can be offered on the market, but the mechanical performance, and the particular abrasion resistance characteristics of PU Tek fabrics remain unique. Only garments and footwear made with original PU Tek fabrics can be labeled "PU Tek - As Strong as an Armadillo Skin" to differentiate them from lower quality copies.

Do PU Tek fabrics use PVC?

No, far from it: PU Tek fabrics DO NOT use PVC in any way. The use of PVC-coated yarns is one of the low-priced copies being offered. In addition to the fact that PVC yarns have low cost, but equally poor resistance to abrasion, PVC (Polymer of Vinyl Chloride) is a material that releases polluting emissions in producing it and, above all, cannot be recycled. It is therefore contrary to the environmental sustainability policy of our company, which will never use this type of product.

In consideration of the great resistances of PU Tek fabrics, are special precautions necessary in processing, cutting or confectioning?

No, PU Tek fabrics can be made into garment, footwear and accessories, cut and sewn without any problem, therefore they do not require special precautions, with no particular breakage of needles.

PU Tek is characterized by a rather "rough" appearance. Is it possible to have different effects, perhaps more defined and elegant or even three-dimensional?

Even if the actually "rough" hand that characterizes it conveys well the strength of the material to the user, with the creation of new PU Tek yarns with a smaller and even larger diameter, two new product lines have been now made available:

- the "PU Tek Mini" range, made with finer yarns, which allows more detailed designs, elegant effects, though resistant to abrasion and high mechanical performance.
- the "BIG PU Tek" range, obtained with thicker yarns, for fabrics with a great three-dimensional effect and a particularly gritty appearance.



ABRASION
RESISTANT



LIGHTWEIGHT



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