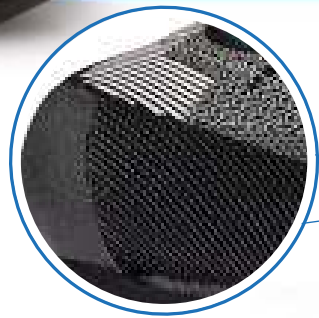


# PERSPAIR®

Multiple performances textiles

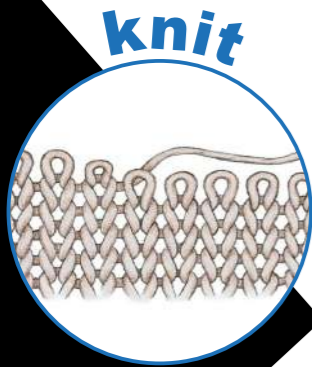


**SEAMLESS**



Innovations Technologies by  
**LENZI EGISTO®**





knit

It is evident the technical difference between a knit and a woven material, and why only woven textiles are suitable for tough uppers to pass performances requested for Safety footwear. This is the reason why we decided to use a woven technology.



woven material

## WOVEN technology

### SEAMLESS

Possibility to make garment, footwear, bags and accessories with minimum stitching, the usual weak point in any textile.



CUT RESISTANT AREA



ABRASION AREA



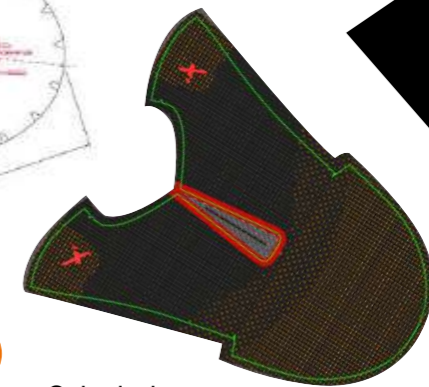
BREATHABLE AREA



We decided for a Woven Jacquard to create multiple function textiles directly on the loom, ready to cut and assembly for a seamless footwear, for maximum mechanical resistance and performance.



1. You can submit your 2D design, indicating measurement and performances of different areas.
2. A render will be submitted for approval.
3. Upon approval we will proceed with woven tailor made textile.



2

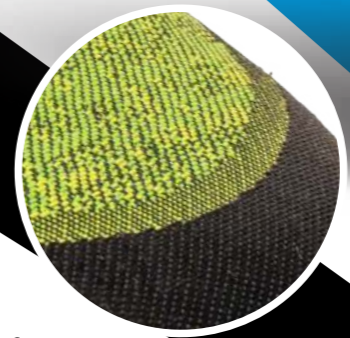
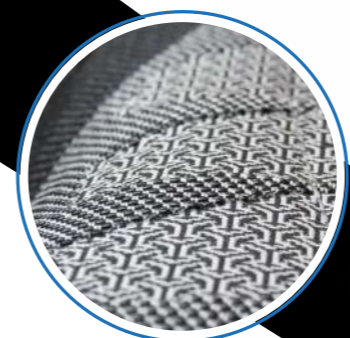
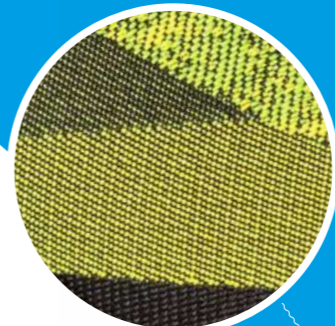
Submission CAD Render



3



Initial trial



No need of application of TPU or microinjection we can weave them directly in 3D.

Perspair® uses an unique technology of "shave the back" which enable 3D effects.





## FAQ



### What is a Perspair® Fabric?

We developed various weaving and finishing techniques to create multiple effects, not only aesthetic, but also functional, to obtain garments, bags and uppers with a plurality of functions with minimum use of joints, stitching or embroidery. Perspair® fabrics are made to obtain, within the same panel or upper, areas aesthetically and functionally different, using up to eight type yarns in various colors or characteristics and properties. Only as examples: Kevlar® for cut resistance, PU Tek for abrasion resistance; Monofilament for breathability; 3M® for reflectiveness; Lycra® for stretchability, and all can be employed at once within a same panel, if needed.

Thanks to decades of experience in technical fabrics that our company can boast, all Perspair® fabrics are specifically studied and conceived for their technical usages.

### What are the advantages of Perspair® fabrics compared to other knitted solutions?

Knitted fabrics have great flexibility and faster in developing samples and color ranges, but they have some drawbacks. A knit can physiologically “open” a large hole in the event of just a single thread breaking. This does not occur in woven fabric and when resistance and high-performances are needed a woven fabric is the solution.

Inserting the various types of yarns thanks to the Jacquard technique Perspair® creates multifunctional areas within the same panel, or footwear upper, minimizing stitching.

### Seamless and Less Seams.

Perspair® textiles are designed to reduce seams. Beside the costs of these operation, stitching are always the weak point of any garment, bag or Footwear.

In footwear, it is at the seams that rubbing and discomfort can occur. Thanks to Perspair® we can significantly reduce them. Perspair® is the “Less Seams” solution.

### What should we do to create a project for a Perspair® fabric?

Once you have evaluated the aesthetic and performing areas, it will be sufficient to send us a drawing in pdf. format of the 2D pattern. It is recommended to clearly specify the measurements of the drawing, preferably by inserting a 50mm side square in the table for our proper verification. Based on the design received, a render will be prepared. Once approved, we will proceed with the weaving using those types of yarn to achieve desired effects and performance.

A cost for Researching, Designing and Developing of tailor made fabrics will be charged covering all costs from 2D pattern up to produce few meters of readymade fabric.

### Perspair® to help for sustainable products.

Perspair® fabrics can be made using recycled fibers, or natural fibers, to grant maximum level of sustainability to the end product. When using at least 20% of Recycled PET fibers, Perspair® fabrics are certified as “Blended Recycled” by RCS® Standard.



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