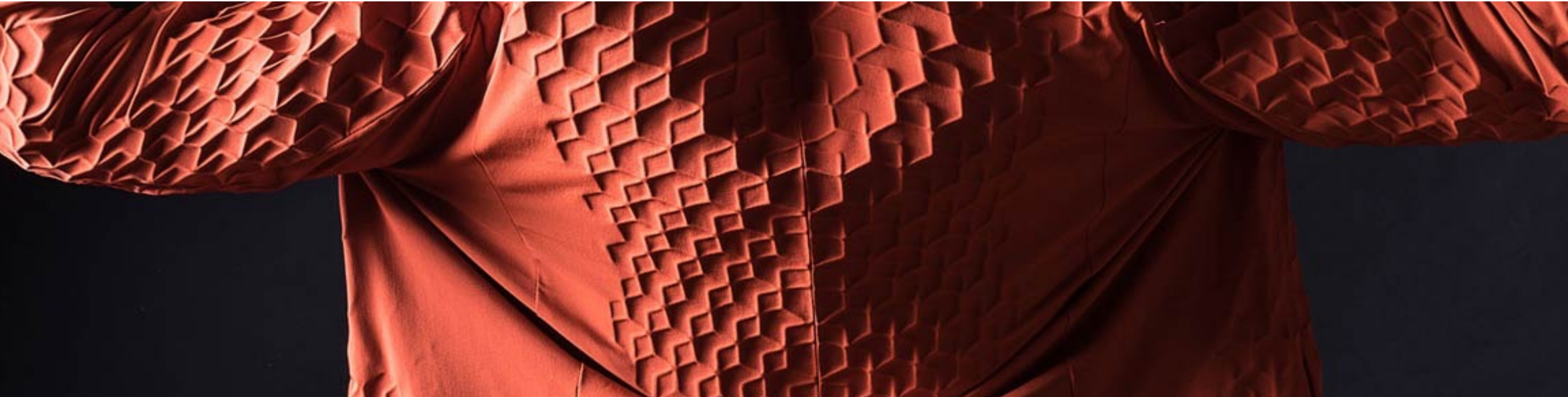


SUMMARY

Specialty textile products



Developed by:



Co-funded by the
Erasmus+ Programme
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Introduction



The vast field of specialty textile products includes solutions developed in order to meet a highly differentiated range of specific requirements.

The OER aims are to provide students knowledge about **advanced textile** products featuring specialty properties and functionalities and their application potential.

Competence

1. Skills

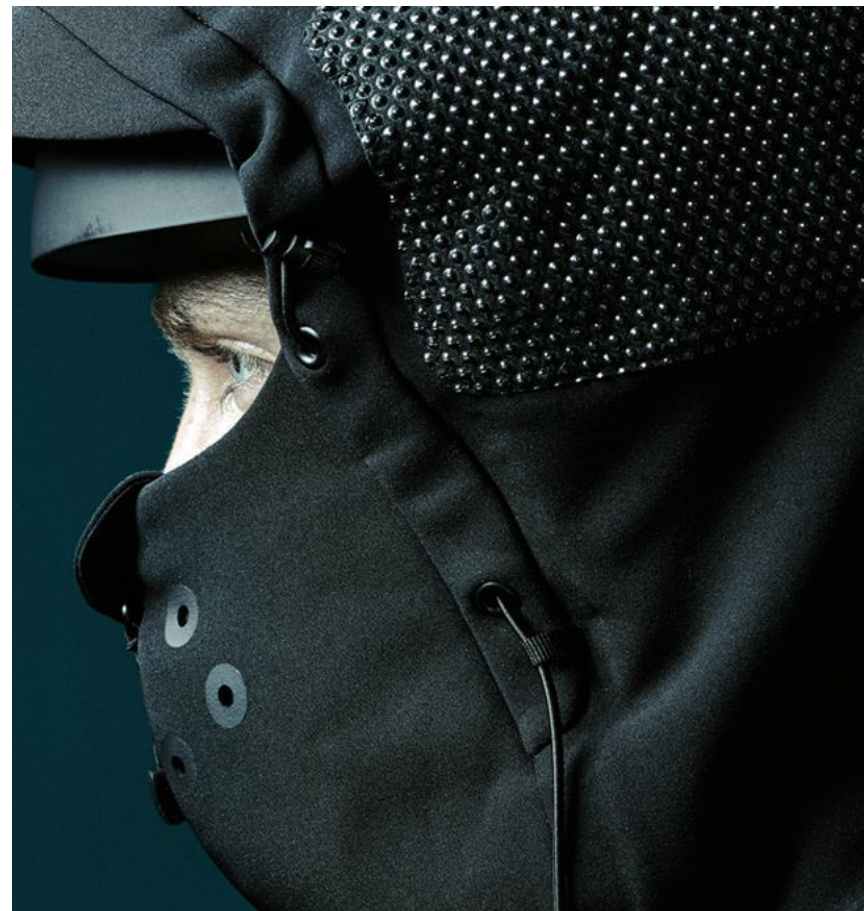
Advanced knowledge of the English language including textile terminology.

2. Competences

Understanding the technological and commercial advantages of specialty textiles. Awareness of the broadness of the application potentials of textile materials.

1. Empower

Empowered and empowering textile products are textiles that exhibit specialty functionalities imparted through the use of specialty fibers, yarns, layers, treatments, coatings, and manufacturing technologies.

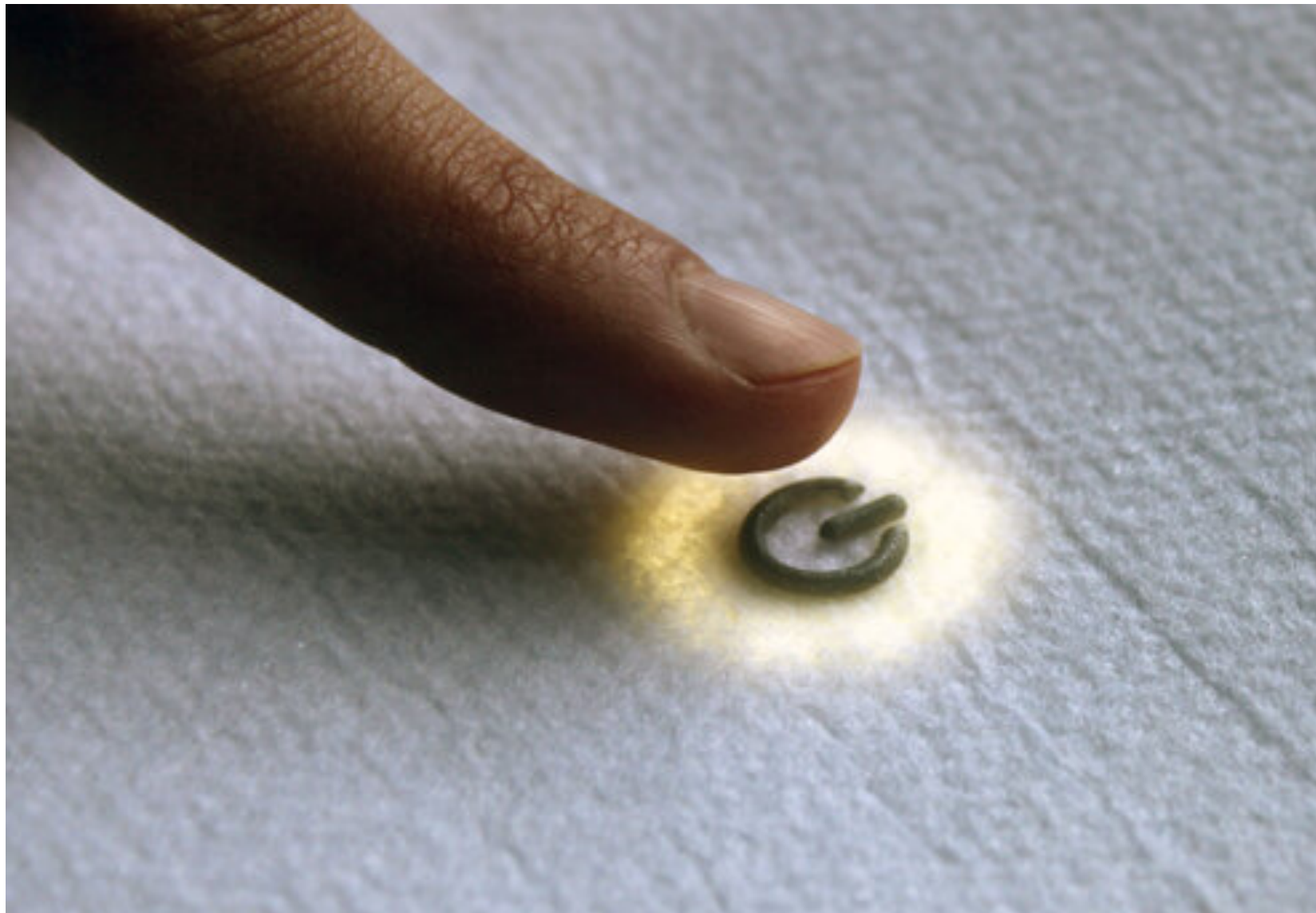


CASE STUDY

Ceraspace™ is a selective textile coating technology that imparts high abrasion resistance to the material's outer surface.

2. Connect

Connected and technology-empowered smart textiles are used in an increasing variety of different application fields



CASE STUDY

The LEL (LOOMIA electronic layer) is a soft, flexible circuit that is mechanically different from a traditional PCB, making it useful for textile-based products.

3. Shape

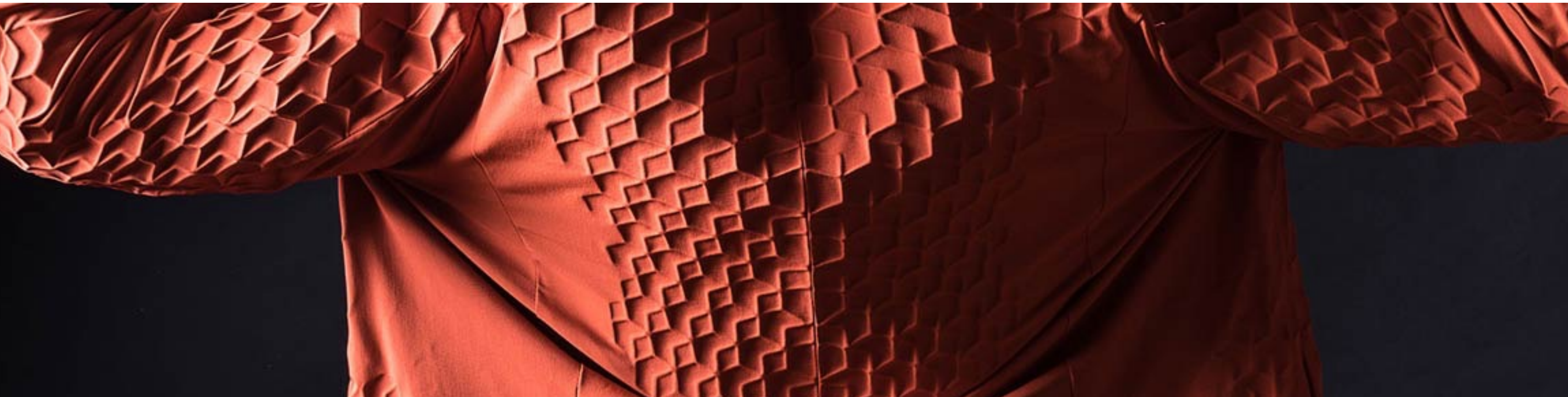
The threedimensional surfaces and structures of textiles may directly be created through specialty weaving or knitting processes, or obtained by means of re-elaboration of existing wove.



CASE STUDY

GRDXKN® is a selective threedimensional printing process for textiles. This structure printing technology has been developed for textile products and is used to transform a two-dimensional fabric into a three-dimensional structure.

This was a summary of an open educational resource. Please visit <http://destexproject.eu/> to see the full amount of intellectual outputs of the project.



Disclaimer:

The European Commission support for the production of this report does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

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