


SUMMARY

Card toolkit with innovative sustainability strategies

Developed by:



Biodegradability
Biodegradability is the capacity for biological degradation of organic materials by living organisms down to the base substances such as water, carbon dioxide, basic elements and biomass. Choose a material that makes it possible.




Pre-production strategies

Modularity

When something can easily be divided in parts you can recycle the different components in an easier way, you can replace what is broken to make the product last longer, and allows a better transport, as it can be distributed disassembled.

Improved user functionality

When something is functional the user will try to make it last as much as possible, so it will take more time to become waste.



Packaging reduction

Use as less packaging as possible, because it will reduce the amount of material obtained from the environment, and also the weight and the size of what you are transporting, and also the amount of waste created.

Introduction



The OER provides students within higher education a methodology to integrate sustainable and innovative strategies into the application of an advanced textile in a product.



Image 1: Higher education students working together.

Goals



This open educational resource has a primary goal to:

- offer an easy-to-follow methodology to apply advanced textiles in products considering sustainability aspects.
- normalize the introduction of ecodesign strategies in the design process, in order to make these tools part of the standard toolbox of designers.

Card Toolkit: strategies for the pre-production phase



Image 2: Cards from Strategies for the pre-production phase

Card Toolkit: strategies for the material selection phase



Image 3: Cards from Strategies for the material production phase

Card Toolkit: strategies for the material selection phase



Image 4: Cards from Strategies for the material production phase

Card Toolkit: strategies for the material selection phase

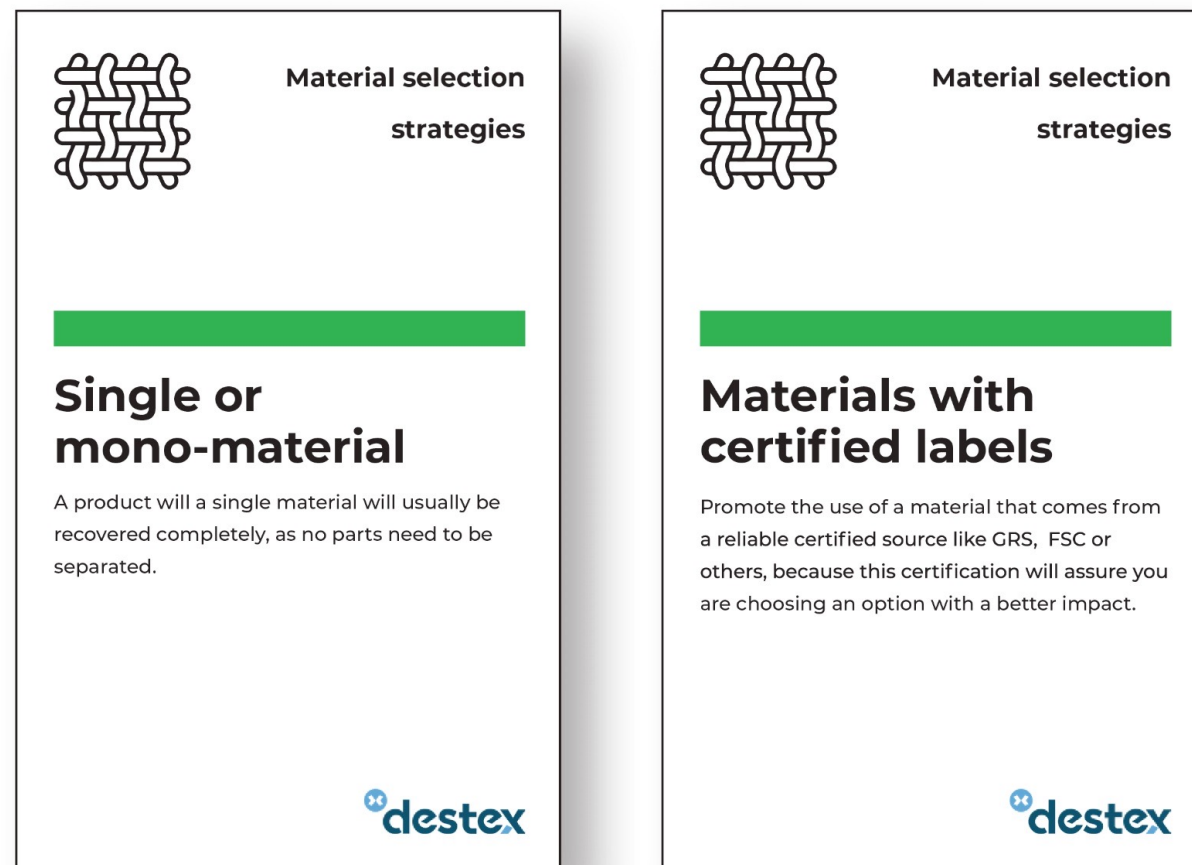


Image 5: Cards from Strategies for the material production phase

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:

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Acknowledgement:

DESTEX project (INDUSTRIAL AND CREATIVE DESIGN IN ADVANCED TEXTILE MANUFACTURING; project reference number 2019-1-SE01-KA203-060379) is co-funded by the Erasmus+ programme of the European Union.

