

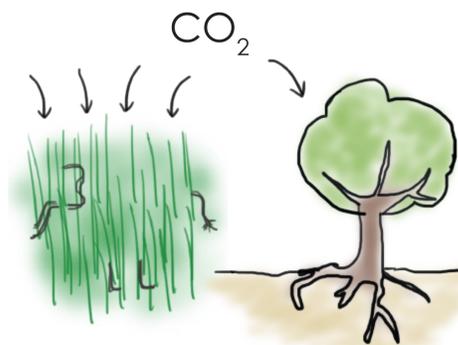
designing with vibers bioplastic

Design guidelines for designing with the elephant grass based bioplastic from Vibers

1. ADD VALUE TO THE PRODUCT

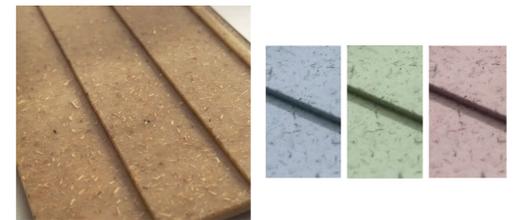
The material can add significant value to a product. The environmental benefits of the material in combination with its sustainable look and feel are the qualities that add value to the application. **Make sure to use those qualities in your design.**

Sustainable



Elephant grass absorbs four times as much CO₂ per hectares as regular trees.

Look & feel

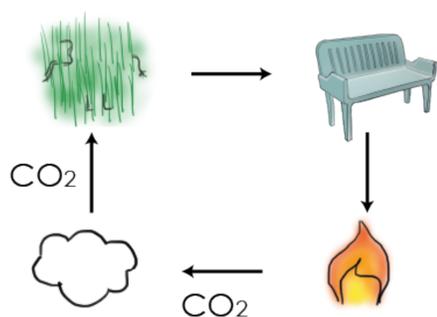


The user perceives the material as sustainable.

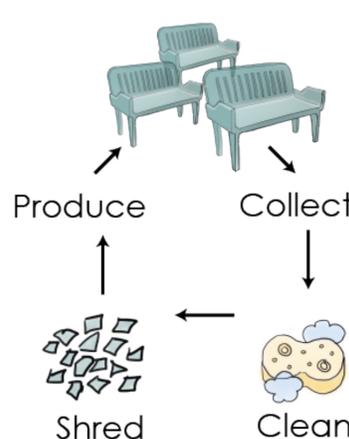
2. DESIGN THE END-OF-LIFE SCENARIO

Do not forget to design the end-of-life scenario for your product. Vibers bioplastic can be incinerated, recycled or refurbished. **Be aware that for recycling or refurbishing, a collection system needs to be established.** Since the bench is big and already rather clean, the recycling process is cheap. Only collecting the material will be a big investment.

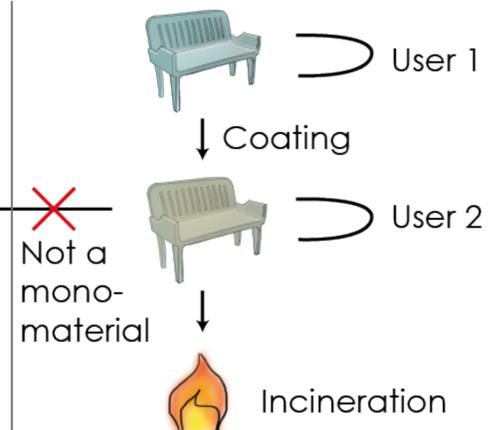
Incineration



Recycling



Refurbishing



Durable bench



Modular bench



3. FIT FOR DURABLE AND MODULAR DESIGN

The material is fit for designing durable and modular products. The material does not fade colour when exposed to UV light. **Different percentages of elephant grass** can be used to change the structural flexibility of the material.

