Solidified Textiles

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Project Information (EN)

Transforming Materials into Textiles

For the development of three-dimensional structures, the designer uses a method that allows her to process different materials into a yarn, which is then processed in the next step using textile construction techniques. The objects on display show, on the one hand, the material development of a textile mycelium hybrid and, on the other hand, document the investigation of the possibilities of three-dimensional shaping through textile techniques. The combination of material and construction allows to solidify textile movements. The designers focus is increasingly on sustainable materials and collaborative approaches.

Knitted Mycelium

Mycelium is a lightweight but very stable material with other excellent properties. To grow mycelium it was mixed with organic material. Combined with fabric it was knitted into a three-dimensional shape. To solidify or freeze the design, the mixture was kept under certain circumstances to start the growing process of a stable fungal mesh. The process was stopped by adding heat.

Construction and Design

The design of the objects are inspired by baskets. Traditional techniques such as hexagon weaving were explored to complement familiar textile techniques. The design of the basket provides further functions when turned upside down. Depending on the properties of the material the Solidified Textiles could be scaled-up, to may take on a spatial dimension. The displayed objects are an excerpt from a long-term investigation of a method, which offers a wide range of possibilities that the designer continuously explores.

Image List

Filename	Caption	Credit
c970c47a-d499-49e3-bdaf-e62a04f89a0b_1666463215.jpeg	Solidified Knitted mycelium	
30c894e1-1ca0-4eee-acb3-8190fd641047_1666443769.jpeg	Solidified Textiles	

The images above are included in the ZIP under `/images`.