

PLYCEL

Cultivated materials
mycomerge

Hosted by: Mai Thi Nguyen

Project Information (EN)

Who are we?

We are Plycel, a young startup in the Biotech / Material sector. A well known and growing problem is humans consumption habits and our overproduction of (plastic) short life products, resulting in one thing: mountains of non degradable waste. We can't change this human behaviour, as our economy and wealth is built on it for now. What we can do, is change the material. It's easier.

Mushrooms?

Yes, we also build things from mushrooms. More precisely: Mycelium, the stage of mushroom growth, before fruiting bodies appear. The difference is: our product can be sat on, stood on, touched and even scratched. With our unique formula and fabrication method, the final product becomes incredibly lightweight and durable, self-supporting and even load bearing. No additives of animal origin or ones competing with the human food industry are used in our Plycel recipe. Our base fibre is from the agricultural Hemp and Flax industry. At the end of its life span, the product can be disposed in regular household waste and will eventually break down into soil. No industrial composting necessary. With our technology we can 3D-Print, free-form-model and make thin sheets with double curvature. Same formula, same result.

Come and talk to us!

We are showcasing two examples of our material at the Green Futures Club booth : One ambient interior application, made of thin sheets of double curved, self supporting mycelium composite. And one fully mycelium 3D-Printed object, there for you to take a seat, relax and have a chat to us about your questions and visions. Don't worry, it's not dirty and it won't break. We look forward to meeting you and are excited to re-think your product with our Plycel technology. Let's grow it.

Image List

Filename	Caption	Credit
1-mycomerge_1662043587.jpg	Funnel Stool Prototype	

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