terrazzoflex

A new precious material made from waste, that is characterised by its versatility and appealing aesthetics.
Terrazzoflex

Hosted by: Juia Linnig

Project Information (EN)

Local Recycling of Industrial Waste

In her bachelor’s thesis, Julia Linnig addresses the urgent issue of industrial waste, focusing on the recycling of ‚flex foil‘ an inexhaustible source of waste resulting from inefficient processing techniques in digital textile printing, where 80% of the material becomes offcuts. Her research aims to create high-quality materials from these local waste streams, challenging the limitations of current recycling practices. The project explores how discarded plastic can be repurposed sustainably without the need of any additives.

Terrazzoflex: An Innovative Material

The core outcome of Julia's thesis is terrazzoflex, a new recycled material made entirely from flex foil waste. Inspired by the aesthetic of terrazzo, terrazzoflex is both versatile and visually appealing, showcasing the potential to turn industrial leftovers into valuable resources. Through a series of tests, Julia refined the material's properties, pushing the boundaries of its functionality and design possibilities.

ONE BAG: Sustainable Design in Practice

To showcase terrazzoflex, Julia created ONE BAG, a collection of eco-friendly backpacks and accessories. These products are designed to be durable, water-resistant, and visually striking. With a focus on functionality and sustainability, ONE BAG shows how waste materials can be given a new life, contributing to a more circular and responsible approach to design.

Image List

Filename	Caption	Credit
versuch-2_1728657526.jpg	'ONE BAG' - backpack made from terrazzoflex	
terrazzoflex-2_1728651314.jpg	terrazzoflex at the graduationshow 2024 HSD	Lilian de Cerqueira Lima Nogueira
terrazzoflex-3_1728651331.jpg	material samples with different properties	
terrazzoflex-4_1728651342.jpg	samples and lamina from terrazzoflex	

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