



emeco

Bethany Mumford
Chair Concept Proposal



Material Exploration

Textile Waste in the Fashion Industry



Some Statistics on Waste in the Fashion Industry

The U.S. produces over 17 million tons of textile waste every year

Synthetic textiles cover 35% of the micro plastic pollution in our global oceans

85% of our clothes end up in landfills or burned

13 million tons of textile waste is produced by the manufacturers and retailers themselves

The fashion industry overproduces products by about 30-40% each season, contributing to roughly 10% of all global carbon emissions

Products being produced with recycled textiles



Designed by Max Lamb

Danish Brand Really & Kvadrat

Uses cotton and wool that has already been utilized by studios Front and Raw-Edges. Really is also partly owned by Kvadrat, a Danish fabric brand, which allows the studio more access to material.



SHRED

TAPEgear

SHRED is line of sleeves designed to hold your iPad, iPad Mini, iPhone, and laptop. These sleeves are made out of 100% textile waste from clothing and household fabrics. TAPEgear is a London and Barcelona based studio focused on eco-friendly and sustainable design.



Designed by Tobias Juretzek

Casamania & Horm

The collection "Rememberme" focuses on a seating utilizing jeans and cotton t-shirts mixed with a special resin. The collection was launched in 2011, manufactured by Italian company Casamania & Horm.

Material Development



Recycled Textiles

Sort textiles by color as to avoid the use of bleach and harmful dyes. Shred the like-colors into what is known as shoddy. The textiles then gain a shredded paper-like quality.



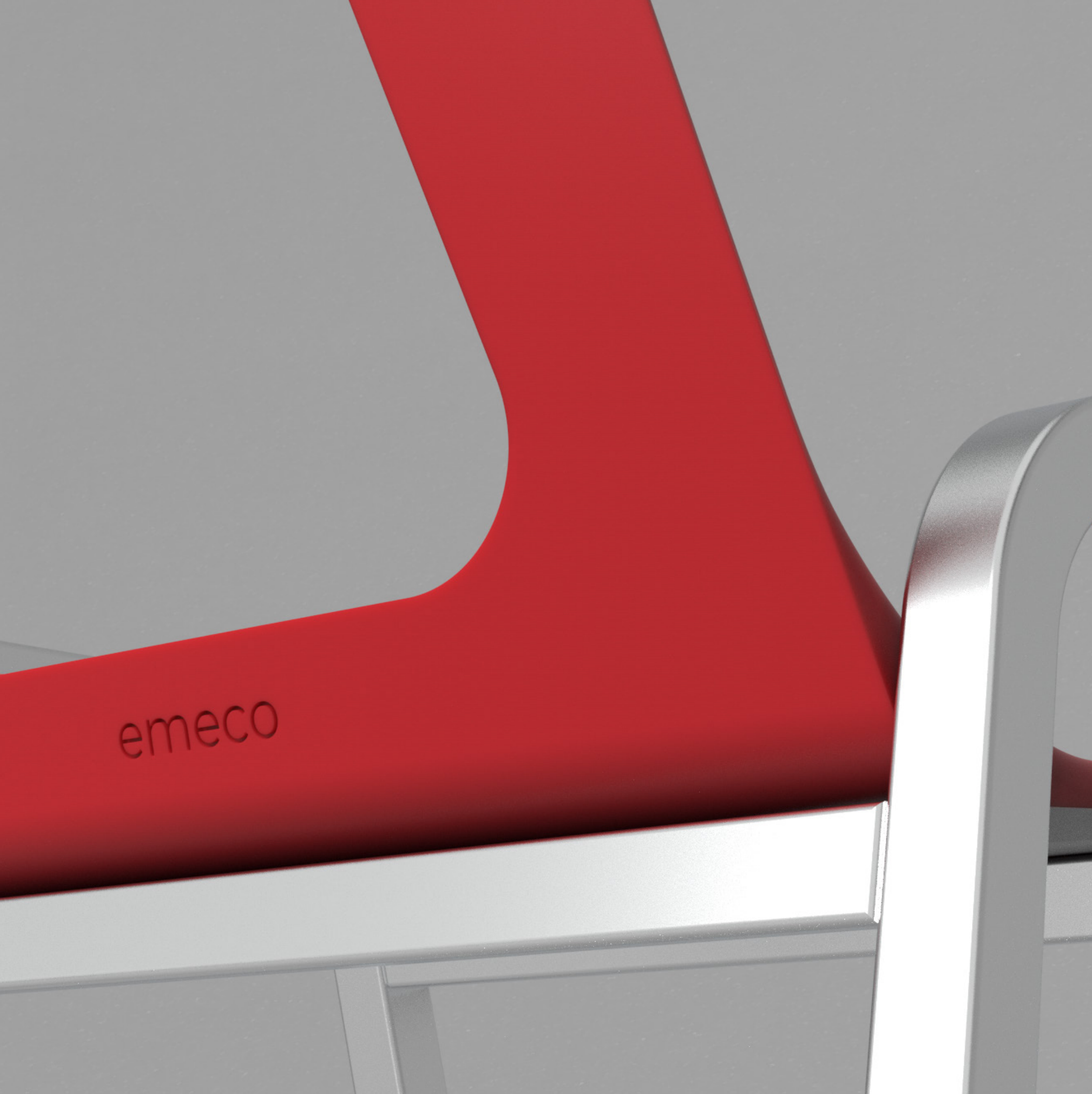
Bio Resin

The principal component in Bio Resin is vegetable oils, making it sustainable and renewable. The substitution of 1 tonne of conventional resin derived from petrochemicals with 1 tonne of bio resin has the potential to yield a net reduction of up to 7 tonnes of CO₂ in the environment.



Shredded Textile composite

The combination of these two materials will produce a shredded textile composite easily able to be molded into a dense and sturdy surface, perfect for a chair base.



Material Application

The Shoddy Chair



cut





Emeco Design Language

- Honest Materials
- Sustainable
- Durable
- Comfortable
- Minimalist Design

