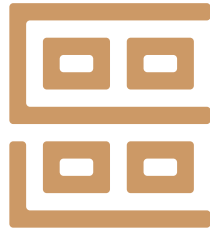


# Econcrete

*by Cooloo*



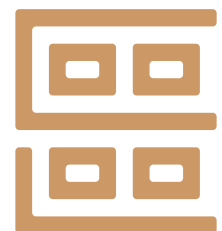


# Econcrete

## *Introduction*

**Cooloo develops and creates materials for interior design construction and industries, made from residual materials in combination with bio-based binders.**

Econcrete is one of the most versatile materials of Cooloo's material spectrum, well known for its application in the award winning Red Bull Amsterdam project.



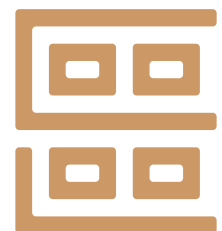


# Econcrete

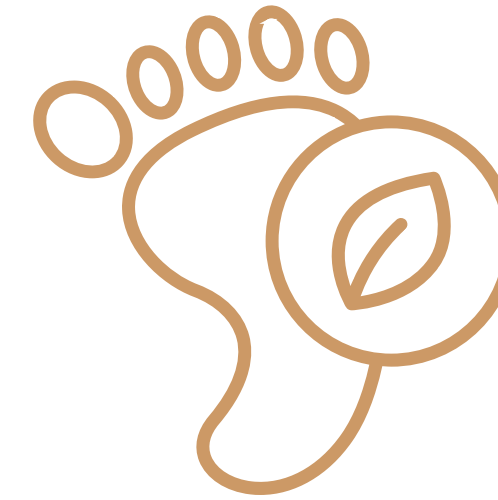
## Features

**This concrete-like material can be applied onto almost any hard surface or object. From floors to ceilings and stairways to furniture (indoor & outdoor). This material is unique because of its toughness and crack-bridging properties.**

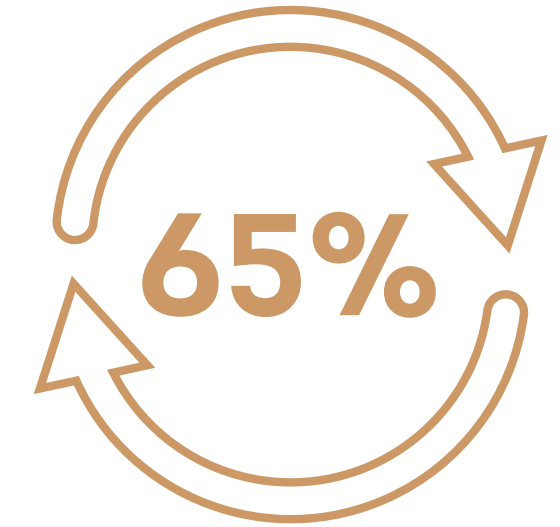
The application is flexible and can be done by spray, plaster or casting. It combines recycled industrial materials with Cooloo's sustainable binders which makes it suitable within the circular economy and a low carbon footprint.



Scratch resistant



Low CO2-emissions



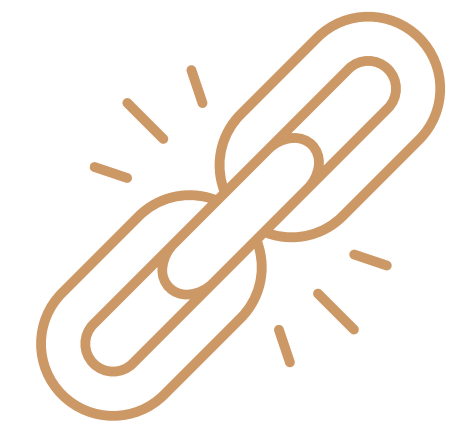
65% waste materials



Cooloo eco-binder



Tough and flexible  
to bridge cracks



Strong and durable



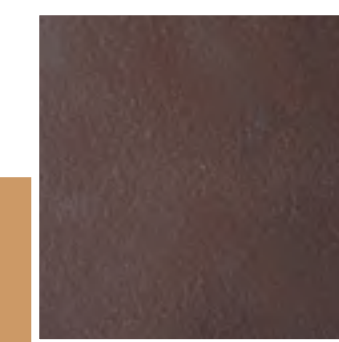
Grey



Clay



Terra



Soil



Black



Jeans

Available in the following colours:



# Econcrete

*Example cases*

## #1: Botanic Tower Brussels

Together with Nachtraven.

## #2: DPG Media

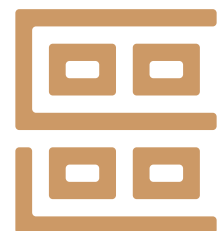
Applied on furniture, planters, tables and kitchenette.

## #3: Red Bull office Amsterdam

Casper Schwarz Architects.

## #4: Refurbishment

Reused Vitra plastic chairs with red Econcrete.





# Econcrete

Technical data

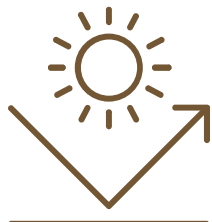
## Properties:



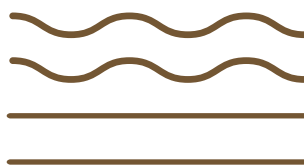
Hard



Water resistant

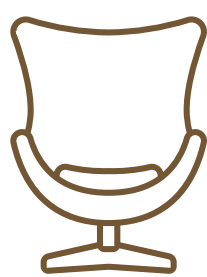


UV-resistant

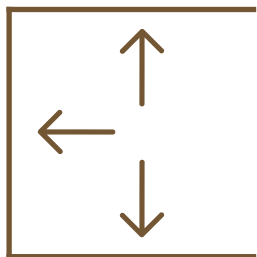


Structured or smooth

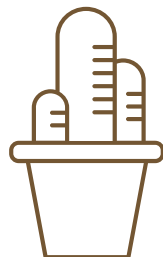
## Application:



Furniture

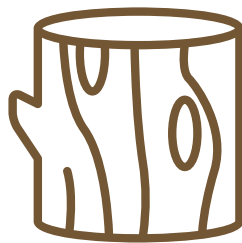


Floors, walls and ceiling

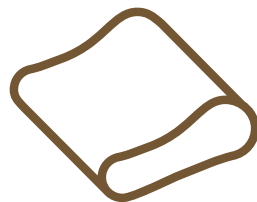


Planter

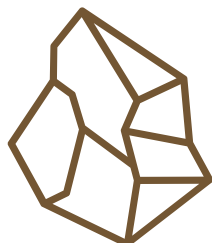
## Substrates:



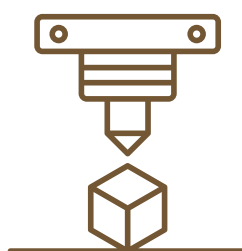
Wood



Foam



Stone



3D-printed



Material	Cooloo eco binder, recycled material (sand, marble)		
Material use (average)	± 1-2 kg./m2		
Test	Norm	Time	
Thickness			1,2-5 mm
Curing time (full, +20°C)			72 hours
Pressure strength	EN 196-1 : 2016	after 1 day	10,0 N/mm2
		after 7 days	18,0 N/mm2
		after 28 days	29,0 N/mm2
Tensile strength	EN 196-1 : 2016		2,8 N/mm2
			5,4 N/mm2
			9,2 N/mm2
Fire resistant	EN 13501-1		A2fl-s1
Resistance to weathering	AATCC 16		Class 4 <sup>(5 upon request)</sup>
Adhesion - tape test	ASTM D3359		Pass

# Econcrete

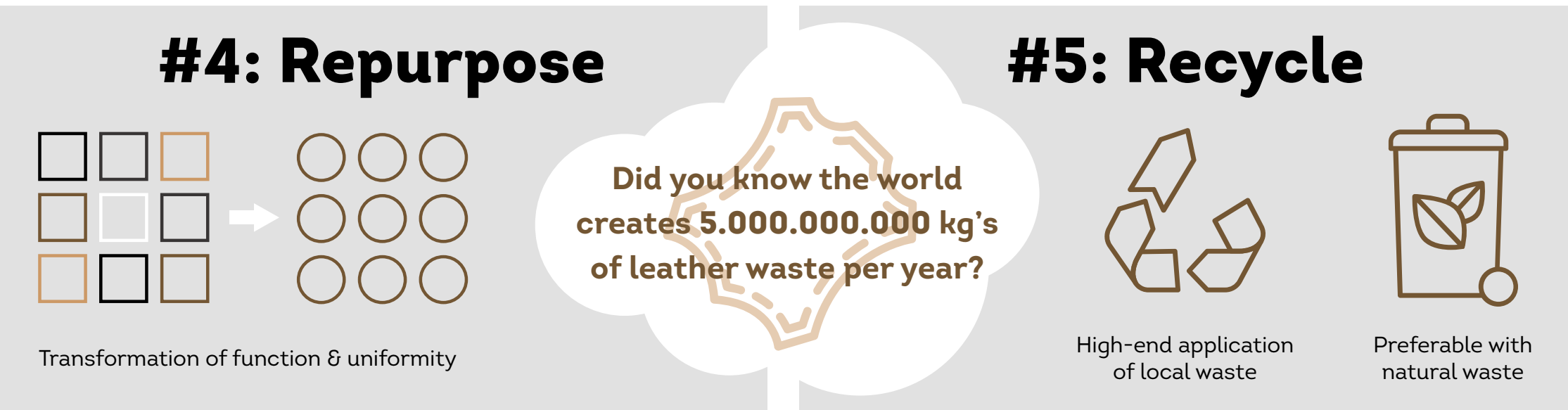
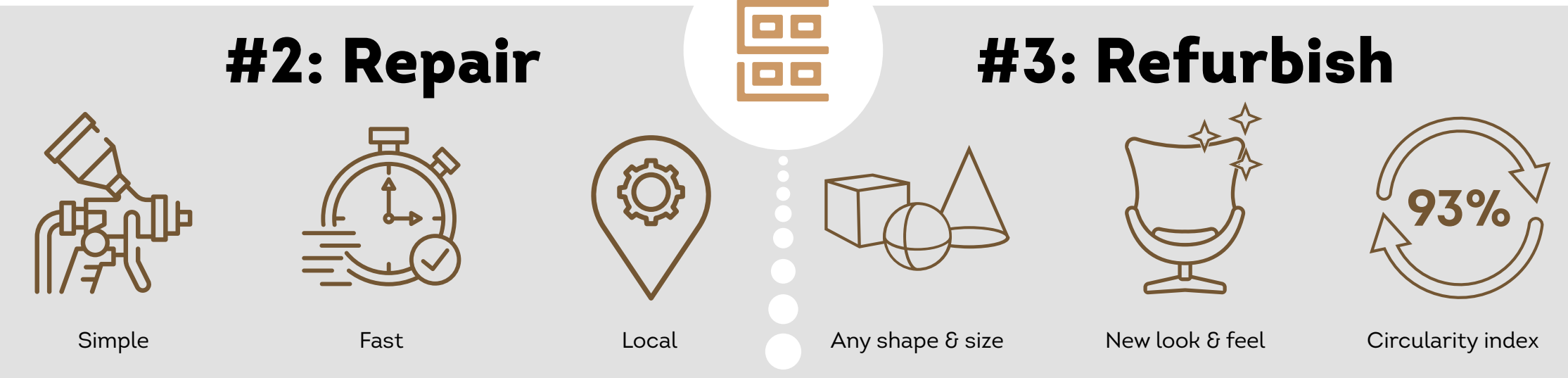
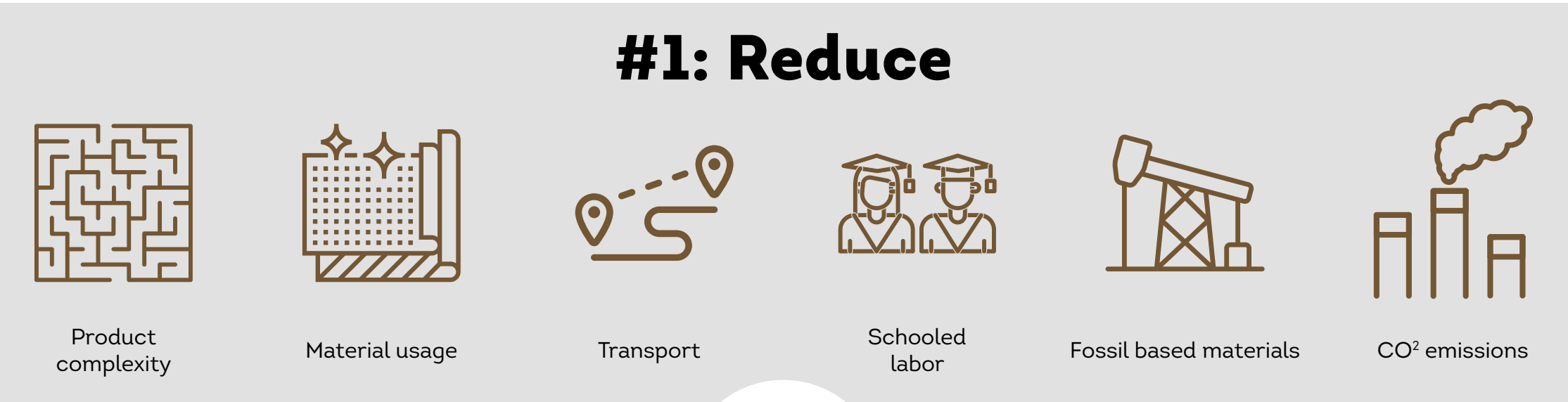
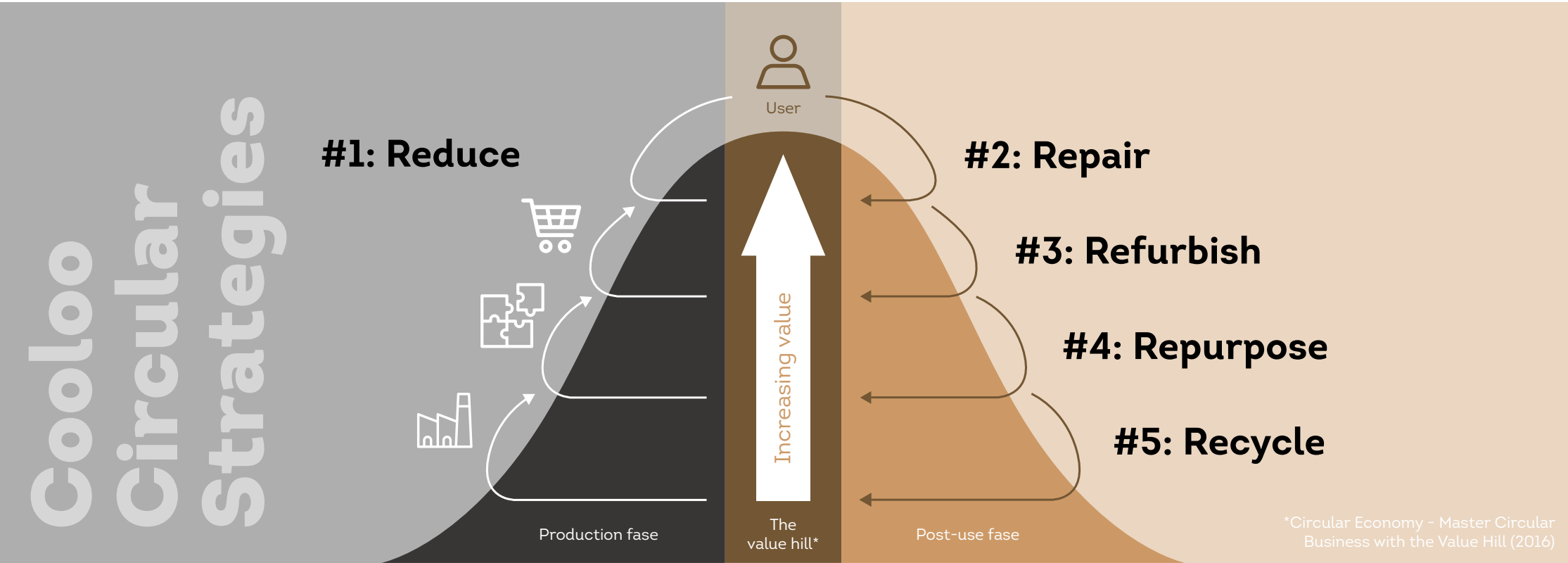
About Cooloo

## What's the challenge?

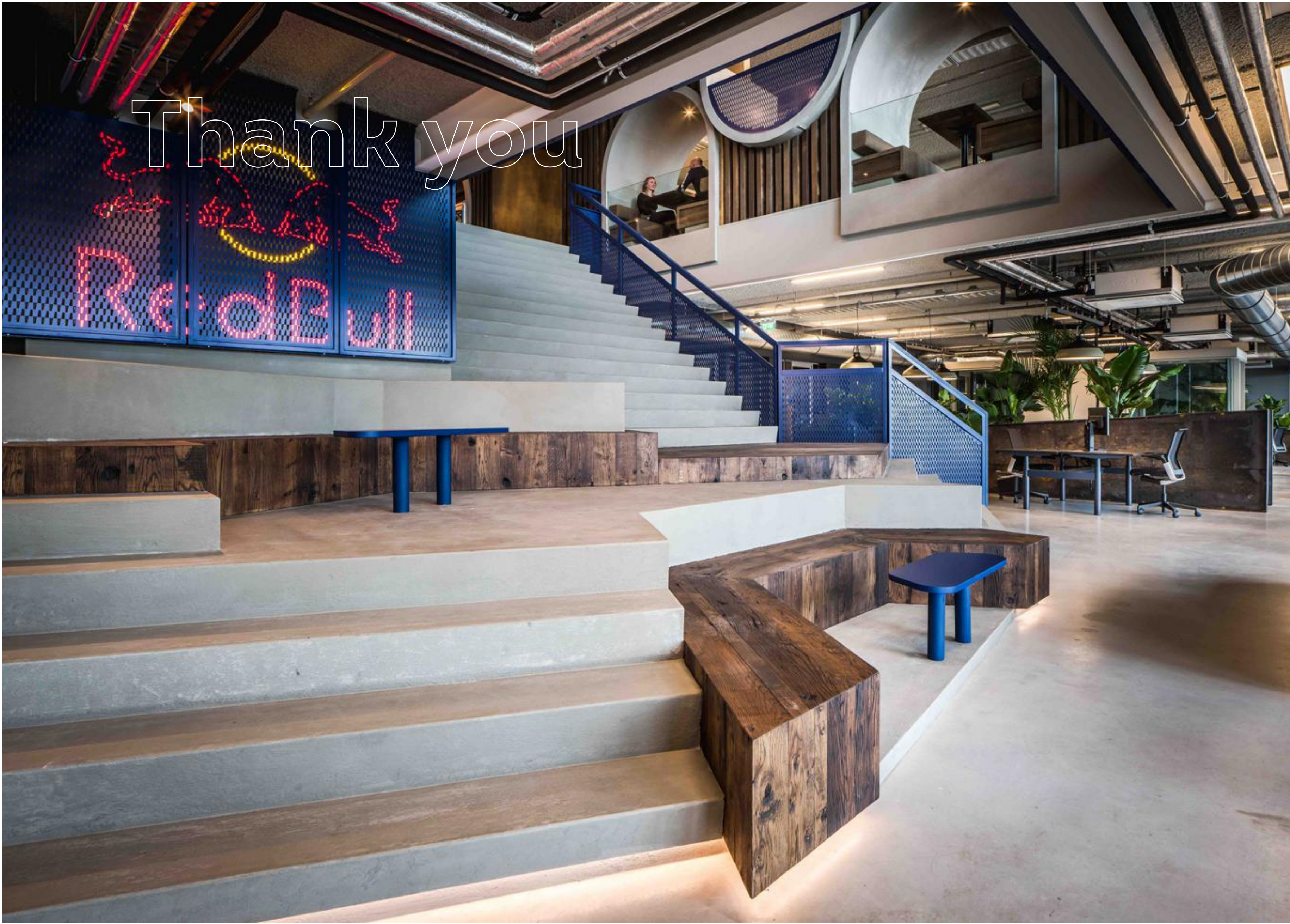
Industries worldwide lose massive amounts of value by wasting time, energy and commodities because of the linear approach towards life cycles of products and materials

## Our solution

With a history in interior design, Cooloo started changing this wasteful industry by introducing coating technologies to create upholstery, finishes and products. In this process, local waste materials are turned into visbile and tactile surfaces of any shape or size.







Thank you



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*5861 EJ Wanssum*