The Waiting Room Pavilion
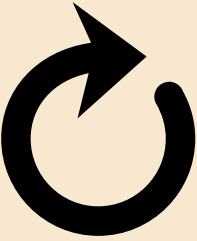
Local and circular material use

inter matter

TOTAL MATERIAL IMPACT

For this project, the architects aimed to maximize the use of local and reclaimed materials. The design was developed before the available materials were fully identified, this led to higher material loss during production. In collaboration with suppliers and makers, the project achieved the highest feasible level of circularity. We are in contact with partners to explore reusing the pavilion as it is.

🖐	HANDPRINT	Total use of 168 pair of hands
👣	FOOTPRINT 100% NEW	Total **CO2**: 2401 **kg** Total **CO2** new: **6197 kg** Total **eco-costs**: 563 euro Total **eco-costs** new: **1760 euro**
↻	REUSE INDEX	95 % **Reuse** 5 % **New materiales**
🔗	CIRCULAR INDEX	0.5 % **permanent** connections 99.5 % **semi-permanent** connections 0 % **not permanent** connections
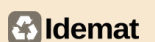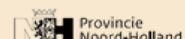
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IMPACT REPORTS

The Inter Matter team prepared impact reports for every material used in building this pavilion. These reports help guide better decisions in temporary projects, promoting reduced material use and the reuse of materials. For this pavilion, we show impacts across four levels.

Handprint - Handprint tracks the human effort behind materials, from source to craft. In a circular system, more hand labor is essential. Highlighting these skills reminds us that people's expertise is as valuable as the materials themselves.

Footprint Eco-cost -Eco-costs show the hidden environmental damage of products—including CO_2, resource use, and pollution.

Our tool highlights the 20% of a material's life cycle causing 80% of the impact, using clear, color-coded labels per m².

A+ A B C D E F G

Most   Least
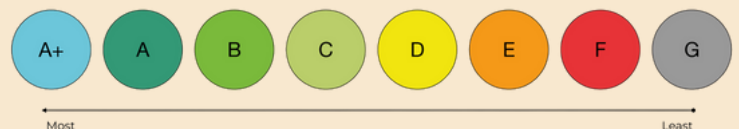
Reuse Index - We use an index based on the R-ladder to track material origin. It shows the share of materials from reuse to recycling.

Circular Index - Which fixings were used, and can the materials be removed without causing damage?

Permanent: Materials cannot be removed without damage.

Semi-Permanent: Materials can be detached with some effort or minor damage.

Non-Permanent: Materials can be removed easily without damage.

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HANDPRINT

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The persons who helped building this pavilion:

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Marije
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Sanne
Toon
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........and many more!