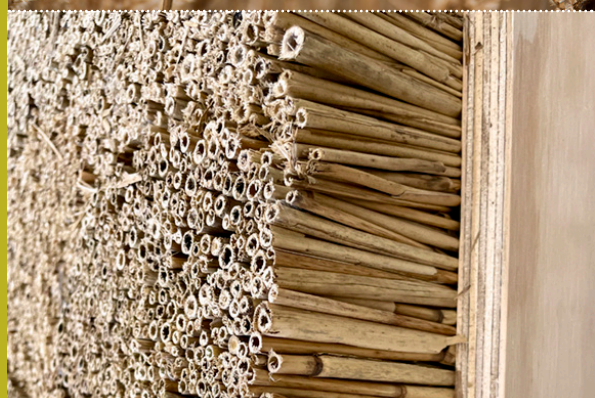




Het Stille Verzet  
designers of acoustics

## Silent Reed LCA



Whenever we're looking for new designs, products or materials, nature is always our first source of inspiration.

We strive to create acoustical solutions that not only check the boxes of functionality and design, but that also contribute to creating a better tomorrow for our planet.

This Fast Track LCA is a quick assessment tool to determine the environmental impact of our products. We use it to assess the different steps in our production process and material usage.

The FT LCA allows us to optimize the sustainability of our products at the start of the design process, resulting in significant environmental gains. The calculations are based on third-party life-cycle inventory databases which are in compliance with ISO 140040, 140044, EN15804, and the LCA handbook of the ILCD.

A carbon footprint is the total amount of greenhouse gasses (including carbon dioxide and methane) that are generated by our actions. The carbon footprint is expressed in kg CO<sub>2</sub>e, in which all greenhouse gas emissions (in kilograms) are converted to the CO<sub>2</sub> equivalent. We work primarily with biobased materials that store CO<sub>2</sub> in biomass (biogenic carbon).

This stored CO<sub>2</sub> is subtracted from the carbon footprint to calculate the total emission of our product.

According to our calculations Silent Reed has a negative carbon footprint of -4 kg CO<sub>2</sub>e, which means that for every square meter Silent Reed we produce, we actually decrease atmospheric CO<sub>2</sub>. Silent Reed is therefore a very environmentally-friendly product.

**GOOD HEALTH  
AND WELL-BEING**



**RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION**



**INDUSTRY  
INNOVATION  
AND INFRASTRUCTURE**

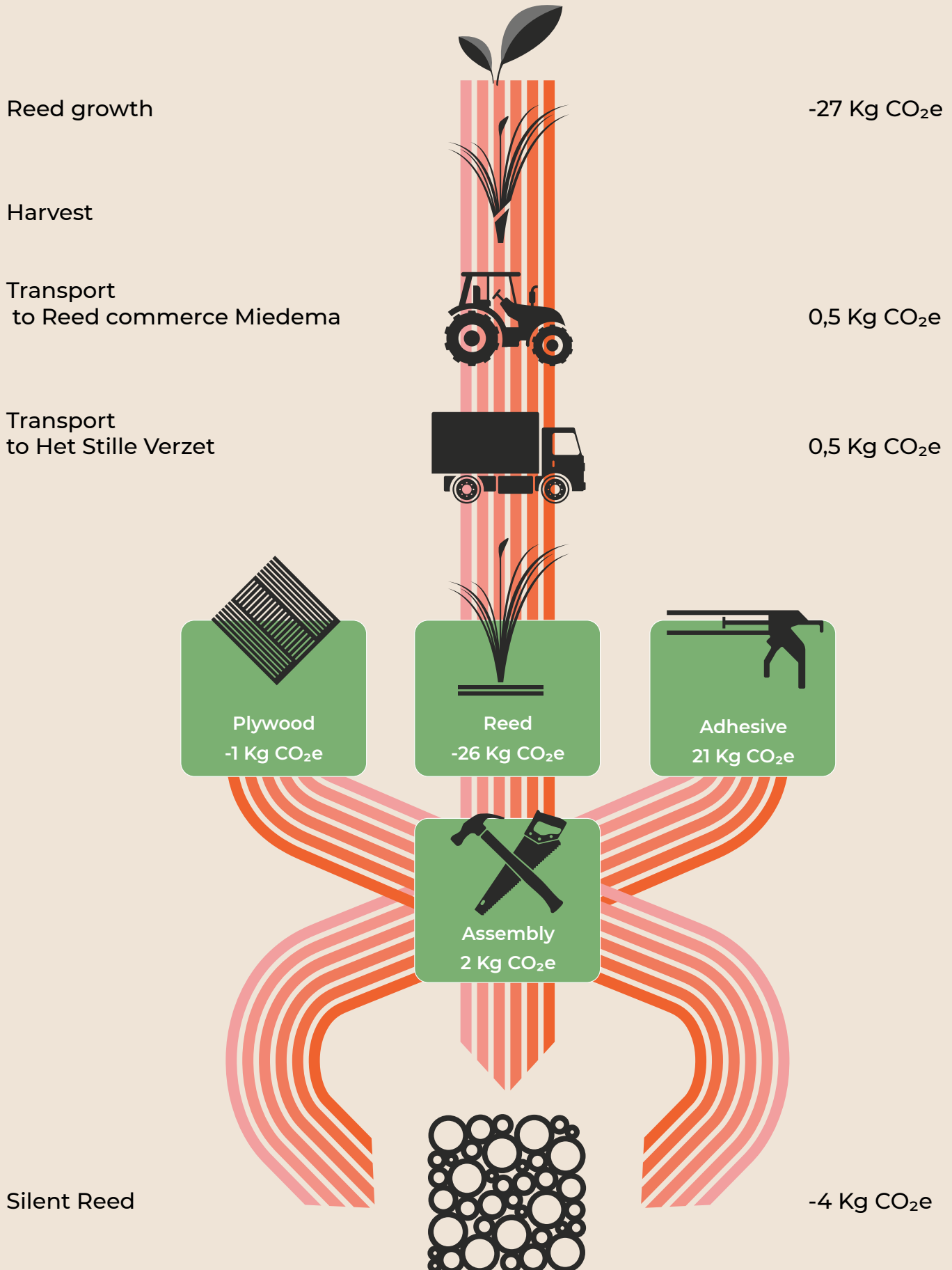


**SUSTAINABLE LIVING**



**LIFE ON LAND**

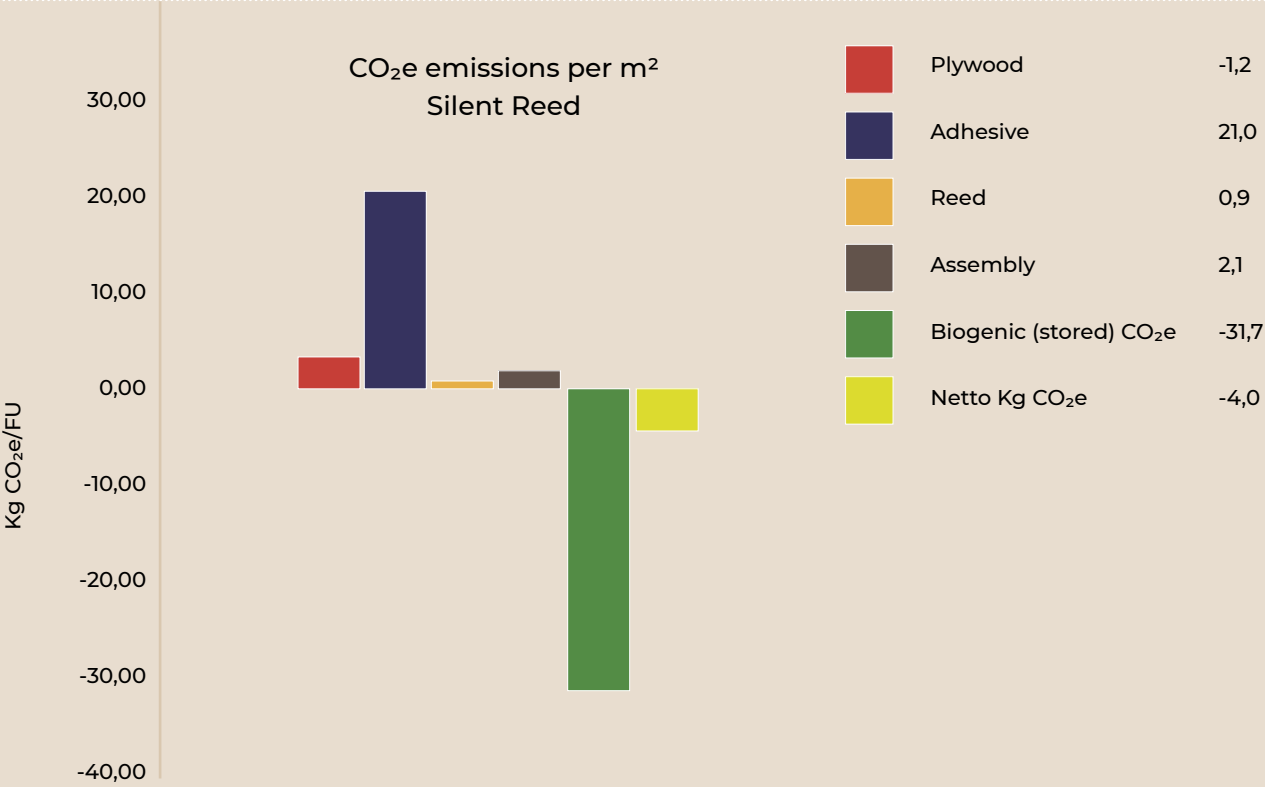




The results in this FT LCA relate to the functional unit of 1 m<sup>2</sup> Silent Reed acoustic panels.

The results in this FT LCA relate to the functional unit of 1 m2 SilentReed acoustic panels.

Life Cycle Inventory	Carbon footprint (kg CO <sub>2</sub> e)	Biogenic (kg CO <sub>2</sub> e)	Netto (kg CO <sub>2</sub> e)
Plywood	3,5	-4,7	-1,2
Adhesive	21,0	0,00	21,0
Reed	0,9	-27,01	-26,0
Assembly	2,1	0,00	2,1
TOTAL	-27,7	-31,7	-4,0

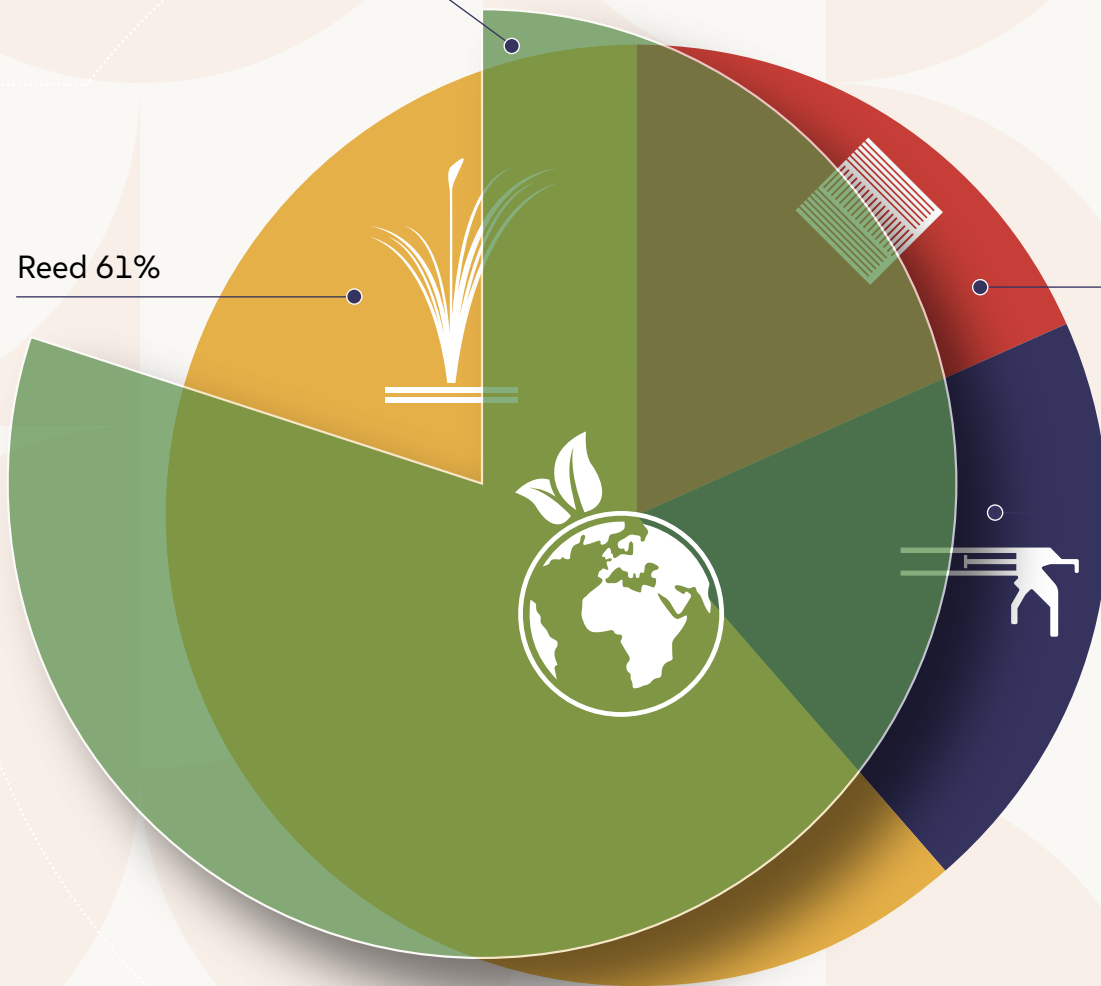



Total biogenic 80%

Reed 61%

Plywood 18%

Adhesive 20%





# *#Change starts quiet*

**Het Stille Verzet**  
designers of acoustics

**colofon**

Spuikade 1  
3087 BG Rotterdam

+31 (0)88 134 7600  
[post@stilleverzet.nl](mailto:post@stilleverzet.nl)