Het Stille Verzet
designers of acoustics

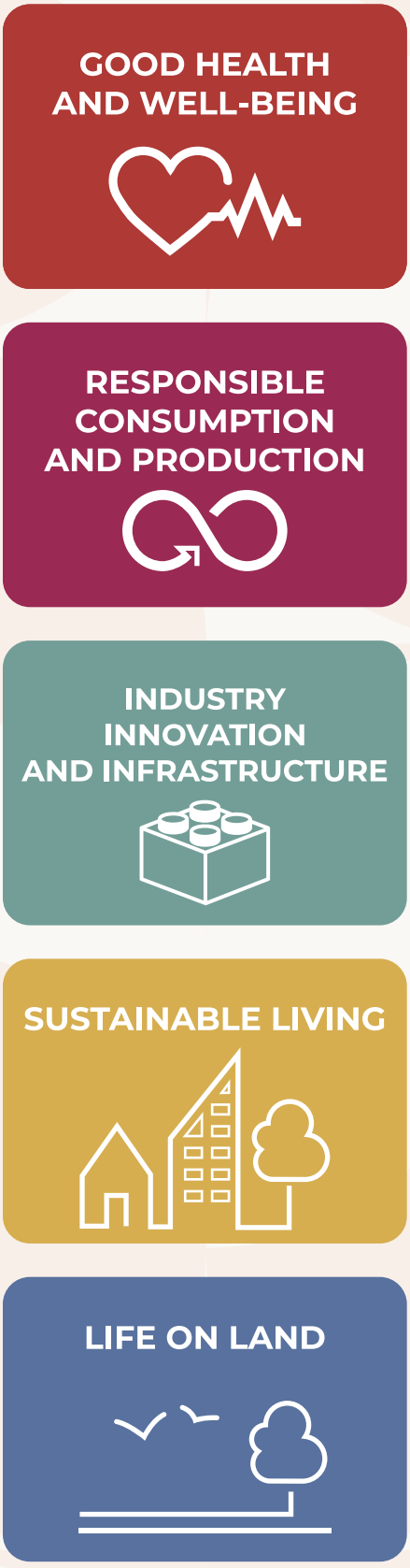
BestFelt LCA

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_2e, in which all greenhouse gas emissions (in kilograms) are converted to the CO_2 equivalent. We work primarily with biobased materials that store CO_2 in biomass (biogenic carbon).
This stored CO_2 is subtracted from the carbon footprint to calculate the total emission of our product.

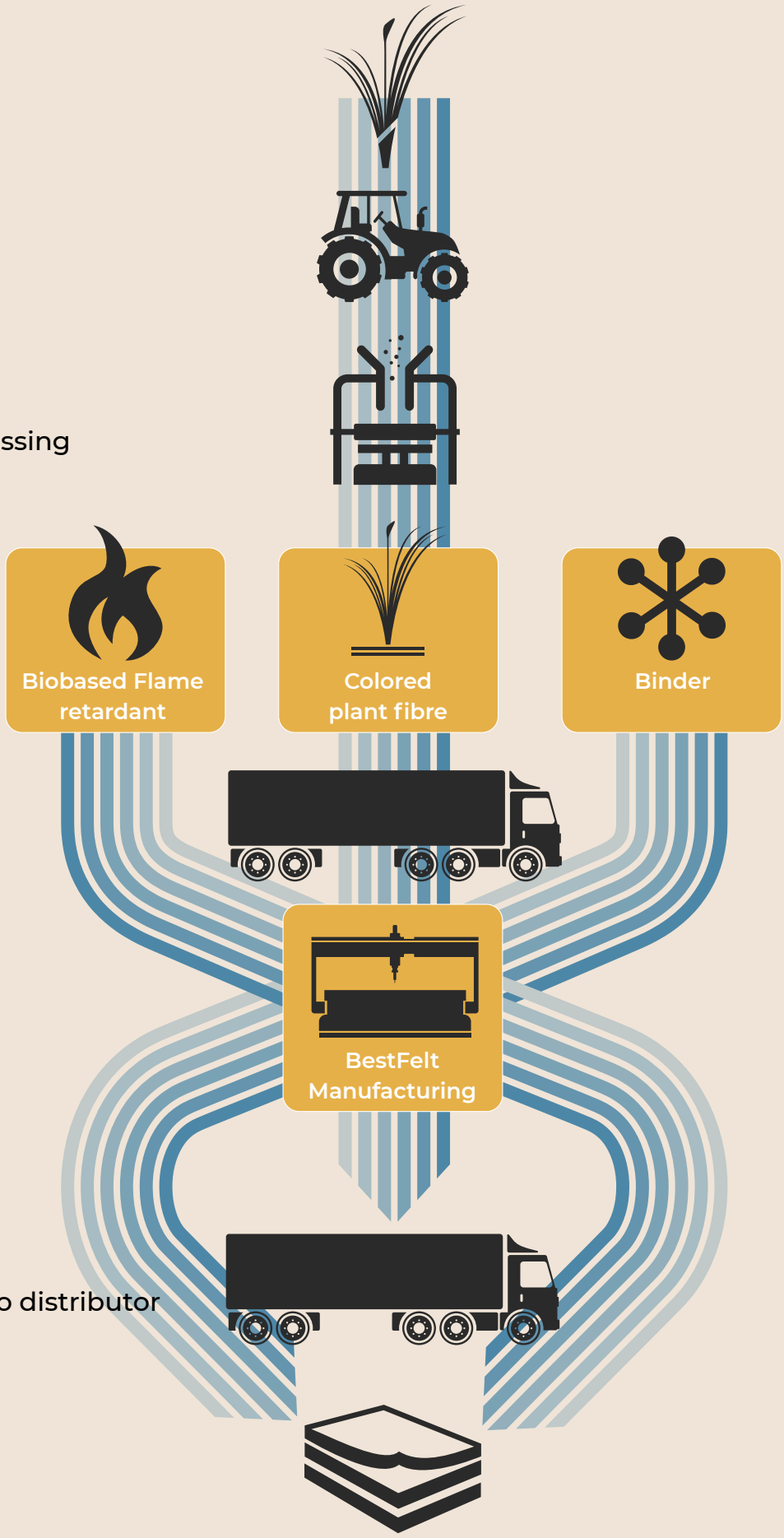
According to our calculations BestFelt has a negative carbon footprint of -4 kg CO_2e, which means that for every square meter BestFelt we produce, we actually decrease atmospheric CO_2. BestFelt is therefore a very environmentally-friendly product.



Harvest

-4,78 Kg CO_2e

Fibre Processing



0,47 Kg CO_2e

0,29 Kg CO_2e

Transport to distributor

0,29 Kg CO_2e

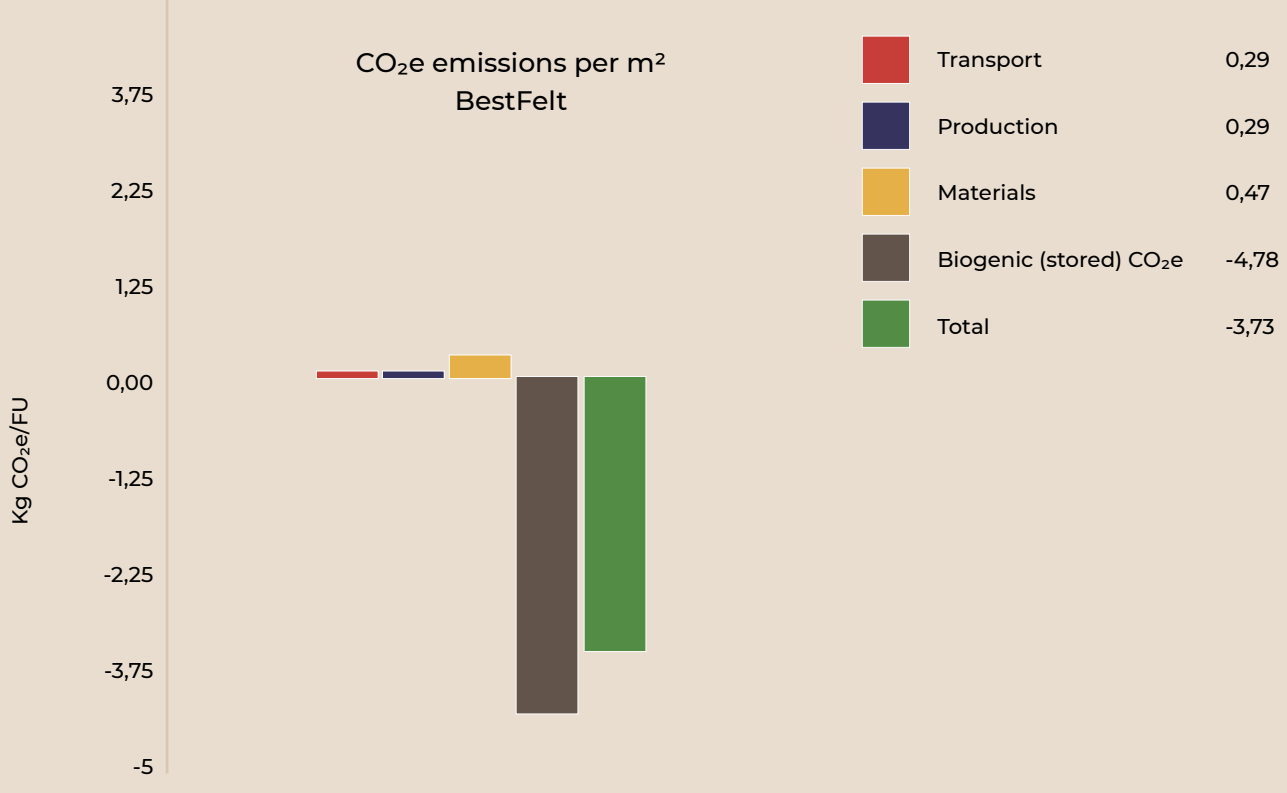
-3,73 Kg CO_2e

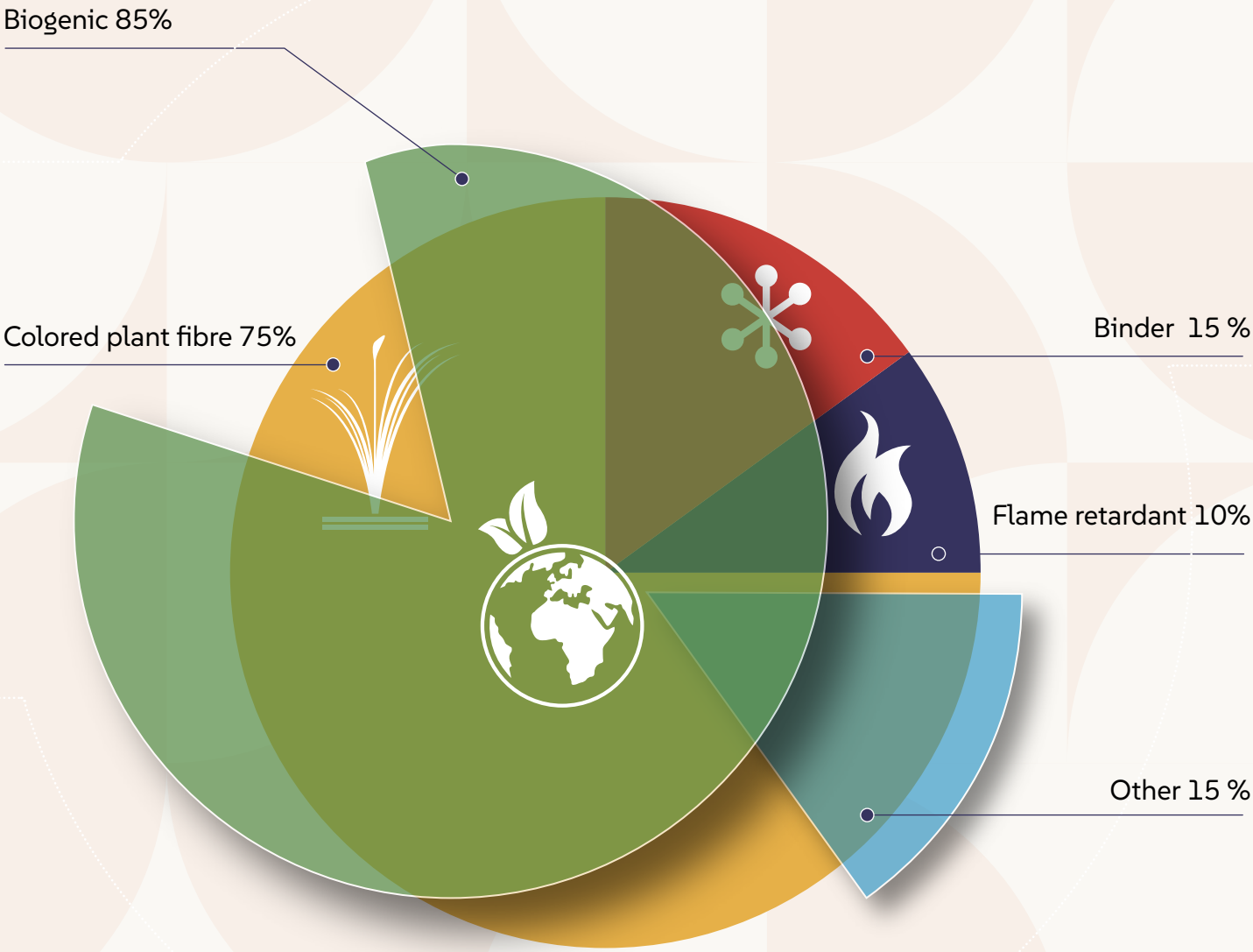
The results in this FT LCA relate to the functional unit of 1 m2 BestFelt acoustic panels.

BestFelt | Fast Track LCA Overview

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

Life Cycle Inventory	Carbon footprint (kg CO_2e)	Biogenic (kg CO_2e)	Netto (kg CO_2e)
Material	0,47	-4,78	-4,31
Transport	0,29	0,00	0,29
Production	0,29	0,00	0,29
TOTAL	1,05	-4,78	**-3,73**




Biogenic 85%
Colored plant fibre 75%
Binder 15 %
Flame retardant 10%
Other 15 %

#Change starts quiet

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colofon

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