



Net Carbon Removal Benefit Calculation

This report was created using the free, open calculation tool by Climate Cleanup Foundation. The calculation tool was developed as a part of the Construction Stored Carbon intervention. No rights may be derived from this report.

Lidl

by

Lidl

Project details

Address:	Schermerhoek 509-513, 2905TA en 2905TB Capelle aan den IJssel
Project type:	Utility: other
Expected realisation year:	2025
Project lifespan:	64 years
Gross floor area:	2523 m ²
Project phase:	As Built

Project description

0

Based on a total Construction Stored Carbon of 261,21 tCO₂e,

The Net Carbon Removal Benefit of the project is calculated at:

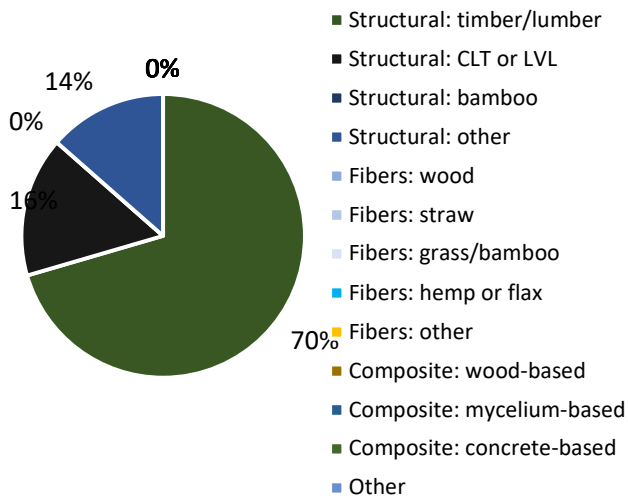
261 t CO₂e

Per square meter Gross Floor Area of the project this equates to:

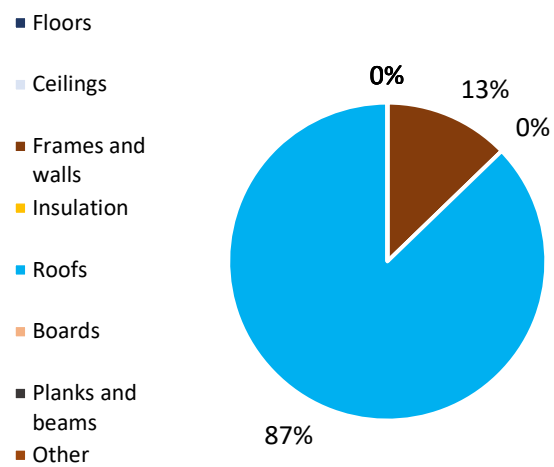
103,5 kg CO₂e / m²

With a total lifespan (including reuse) of at least 64 years

CSC per main material type



CSC per product category



Calculation input

The table below shows the registration numbers of the EPDs of the biobased products used in the project, as well as the manually entered data used to calculate the project's Net Carbon Removal Benefit:

Product name	Product quantity	Carbon content [kg CO ₂ e/unit]	Total biogenic carbon (CSC) [kg CO ₂ e]	Total lifespan [years]
Vuren (Picea spp)	101.8368 m ³	-735,8267	-74934,23	75
Vuren (Picea spp)	6.32832 m ³	-735,8267	-4656,547	75
Vuren (Picea spp)	12.36 m ³	-735,8267	-9094,818	75
Vuren (Picea spp)	7.7112 m ³	-735,8267	-5674,107	75
Vuren (Picea spp)	4.7952 m ³	-735,8267	-3528,436	75
Vuren (Picea spp)	2.264 m ³	-735,8267	-1665,912	75
Vuren (Picea spp)	11.06 m ³	-735,8267	-8138,243	75
Vuren (Picea spp)	1.2 m ³	-735,8267	-882,992	75
Vuren (Picea spp)	13.32 m ³	-735,8267	-9801,211	75
Vuren (Picea spp)	1.9776 m ³	-735,8267	-1455,171	75
Vuren (Picea spp)	1.584 m ³	-735,8267	-1165,549	75
Vuren (Picea spp)	4.54656 m ³	-735,8267	-3345,48	75
Vuren (Picea spp)	2.096 m ³	-735,8267	-1542,293	75
Vuren (Picea spp)	0.21 m ³	-735,8267	-154,5236	75
Vuren (Picea spp)	0.424 m ³	-735,8267	-311,9905	75
Vuren (Picea spp)	1.1136 m ³	-735,8267	-819,4166	75
Vuren (Picea spp)	0.928 m ³	-735,8267	-682,8471	75

[illegible]