



Net Carbon Removal Benefit Calculation

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Gemeente Krimpenerwaard

by

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Project details

Address:	Dorpsplein 9, 2821 AS Stolwijk, Netherlands
Project type:	Utility: office
Expected realisation year:	2025
Project lifespan:	50 years
Gross floor area:	7155 m ²
Project phase:	Under Construction

Project description

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Based on a total Construction Stored Carbon of 1275,20 tCO₂e,

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

1.204 t CO₂e

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

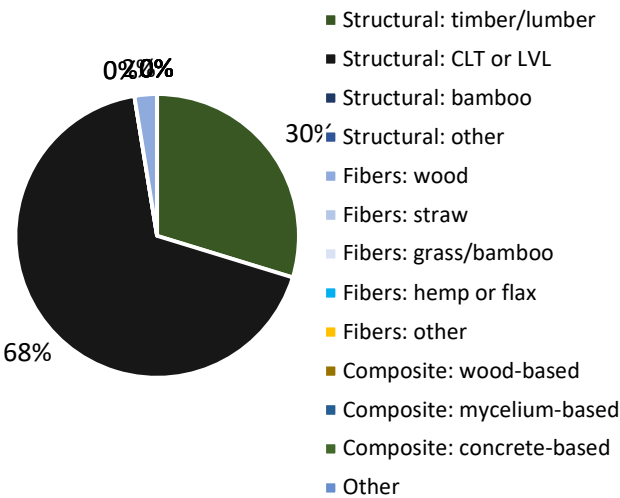
168,2 kg CO₂e / m²

With a total lifespan (including reuse) of at least 50 years

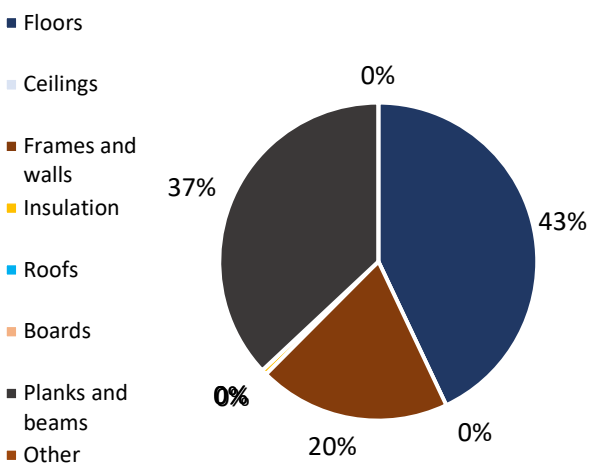


[Climate Cleanup Net Carbon Removal Benefit Calculation Tool v3.1, available at climatecleanup.org/csc-tool](https://climatecleanup.org/csc-tool)

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]
CLT (Cross Laminated Timber)	230 m3	-762	-175260	50
CLT (Cross Laminated Timber)	383 m3	-762	-291846	50
CLT (Cross Laminated Timber)	6 m3	-762	-4572	50
LVL (Laminated Veneer Lumber)	261,12 m3	-766	-200017,9	50
CLT (Cross Laminated Timber)	112,92 m3	-762	-86045,04	50
CLT (Cross Laminated Timber)	138,72 m3	-762	-105704,6	50
Lignatur 320 mm	1103,36 m3	-315,375	-347972,2	50
OSB	29,724 m3	-879	-26127,4	100
WISA	39,762 m3	-781	-31054,12	50
Cyclin akoestisch 60mm	750 m2	-8,797	-6597,75	