

# HOW TO REDUCE EMBODIED CARBON WHEN WORKING WITH STRUCTURAL TIMBER



1

## Select sustainably sourced timber

Choose timber that comes from sustainably managed forestries with certifications such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification).



2

## Optimize timber use

Efficiently design the structure using timber to minimize the amount of material required. Employ techniques such as modular construction, optimized spans, and appropriate load-bearing capacities to reduce overall embodied carbon.



3

## Use reclaimed or recycled timber

Consider using reclaimed or recycled timber for structural elements.



4

## Minimize waste

Precise measurements, careful handling, and proper storage can all contribute to reducing waste and maximizing the use of timber.



5

## Do not skimp on treatments that extend the lifespan of the material

For example, you can also let untreated timber facades to weather



6

## Install wooden materials to allow disassembly

Install all wooden materials using screws and nuts and bolts or other undoable connections to allow recovering and reusing the materials for other projects when they are no longer required



7

## Design for longevity and maintainability

Assess the entire life cycle of the structure, and select timber products and design strategies that contribute to the longevity and ease of maintenance of the structure, reducing the need for replacement or excessive energy-intensive repairs.

EPD

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## Ask suppliers for EPDs

Ask suppliers to declare their product's environmental impacts with EPDs.