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CaSCo - Carbon.Smart.Communities

# CO<sub>2</sub> Comparisons . France

# Wooden Facades

compiled by

HOLZ VON HIER

[www.holz-von-hier.de](http://www.holz-von-hier.de)

FACADES  
of short distances



## Wooden facades are the (climate friendly) face of buildings.





Facades are made of wood, clinker, stone, aluminum, steel plates, fiber cement, fiberglass or thermal insulation composite systems. Facades made of wood are currently experiencing a renaissance. It is important, however, to pay attention to the short distances, to ensure an optimal life cycle balance.

## Facade materials can have travelled over long distances. Wood facades are only climate-friendly thanks to short distances.

Imports of planed softwood for wood facades from (besides Germany) Finland, Belgium, Sweden, Russia and other more distant countries to France account for most of the volume-weighted CO<sub>2</sub> emissions. In France, there would be enough manufacturers to replace most of these long distances imports.

Owing to overlapping material flows of coniferous sawn wood in France's foreign trade, avoidable 72.634 tonnes of CO<sub>2</sub> emissions are produced each year. The CO<sub>2</sub> savings by using HvH facades are 3.3 times as much as would be saved by the European Green Building Program and 0,6 times as much as the European Green Light program. It would correspond to the CO<sub>2</sub> savings of about 35.000 houses with photovoltaic systems.

## Wooden facades of the short distances (Low Carbon Timber - HOLZ VON HIER) at your house instead from Russia, in average saves 2.5 t CO<sub>2</sub>/building.

	The exchange „LED instead of light bulb“ in the whole house reaches the same CO <sub>2</sub> savings only after 12 years.
	This compensates for the CO <sub>2</sub> emissions caused by 1 year of electricity and heating in a modern new building.
	This compensates the CO <sub>2</sub> emissions of 1 year driving a middle class car.
	The replacement of older equipment with the most energy-efficient equipment on the market only reach about the same CO <sub>2</sub> savings in case of washing machines after 60 years and of refrigerators only after 20 years.



**LOW CARBON TIMBER**  
A trade mark of Holz von Hier

## CERTIFICATE

ID-No.

Check the authenticity of this certificate by entering the ID in the search box at:  
[www.holz-von-hier.de](http://www.holz-von-hier.de)

This certificate confirms that the labeled product or building is made of extra climate- and environmentally friendly wood of short distances from sustainable forestry.

This has made an important contribution to the protection of the climate, Environment, biodiversity and resources, as well as support of regional added value.

**product certificate to the final customer**  
This certificate refers to the material flow according to the criteria of HOLZ VON HIER along the entire processing chain from the forest to the final destination or final customer

A1	A2	A3	A4
sustainable sourcing	transport-CO <sub>2</sub> supply chain	production	transporte from gate to customer

certificate owner company:  final customer:

attachment with product specifications

## Ask for ... !

One cannot guess the origin and transport distances for the wood by looking at the product. Therefore ask for a Low Carbon Timber Certificate (HOLZ VON HIER) for your purchased timber product.

This eco-label captures all material flows from the along the whole supply chain. The certificate labels a product of extra climate-friendly wood of short distances and sustainable forestry.

By asking for a certificate You give a valuable contribution to the protection of climate, biodiversity and the environment and strengthen your region.