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

# Wooden Panels

compiled by

HOLZ VON HIER

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

PANELS

of short distances



Wood panels and their preliminary products, without proof of short distances, can have traveled over long distances.

Italy consumes significantly more wood panels than it produces in the country. Its imports, especially of chipboard (including OSB) are almost half as high as the production in the country. But there are also certain exports. However, especially for chipboard, domestic demand could be covered within a short distance from the alpine region. According to the quantitative weighted CO<sub>2</sub> emissions the most important import countries of OSB to Italy are Romania, Bulgaria, Hungary, the Czech Republic and Portugal. For chipboard imports, the neighboring countries of France and Austria are already playing an important role today. For each new residential building, in average 21 - 24 tons of constructive wooden boards are needed.

Extra climate-friendly building materials are based on short distances.

Owing to overlapping material flows of panels and preliminary products in Italy's foreign trade, avoidable 69.832 tonnes of CO<sub>2</sub> emissions are produced each year. The CO<sub>2</sub> savings by using HvH semiproducts and panels in Italy are 3.2 times higher CO<sub>2</sub> than by the European Green Building Program or would match 54% of the CO<sub>2</sub> savings from the European Green Light Program. It would reach the same CO<sub>2</sub> savings as 33.253 houses with photovoltaic systems.

**Wooden panels of short distances (Low Carbon Timber, HOLZ VON HIER) in your wooden house instead of panels e.g. from Romania saves on average 4.1 t of CO<sub>2</sub> / house.**

	The exchange „LED instead of light bulb“ in the whole house reaches the same CO <sub>2</sub> savings only after 20 years.
	This compensates for CO <sub>2</sub> emissions through 3 years of electricity and heating in a modern new building.
	This compensates the CO <sub>2</sub> emissions of 2 years 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 100 years and for refrigerators after 33 years.



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.