

Interreg



EUROPEAN UNION

Alpine Space

CaSCo

EUROPEAN REGIONAL DEVELOPMENT FUND

CaSCo - Carbon.Smart.Communities

CO₂ Comparisons . Italy

Interior & Furniture

compiled by

HOLZ VON HIER

www.holz-von-hier.de

INTERIOR
of short distances







For interior design and furniture construction, it is important to pay attention to evidence of short distances.

For interior fittings, the average amount of material for inner walls, cladding, ceilings, staircases, etc., ranges about 14 m³ wood / building (about 7 t). According to the quantitative weighted CO₂ emissions the most important importing countries a to France are: for Chipboards: Romania, Slovakia, Hungary, Austria and France, for plywood: Russia, Brazil, Chile, Finland and Indonesia, for hardwood lumber: USA, Croatia, Hungary, Cameroon and Ukraine and for veneer: Cameroon, Cote d'Ivoire, Russia, Gabon and Spain.

Extra climate-friendly interior fittings and furniture are made by short distance materials.

Owing to overlapping material flows of semifinished products for interior fitting in Italy's foreign trade, avoidable CO₂ emissions are produced annually of: 34.916 t CO₂ (particleboard), 19.388 t CO₂ (plywood), 34.360 t CO₂ (hardwood lumber) and 5.650 t CO₂ (veneer). In total this is 94.314 t CO₂ per year. The CO₂ savings by using HvH semiproducts in Italy are 4.38 times as much CO₂ as by the European Green Building Program and about 0.7 times as much as by the European Green Light program. It would correspond to the carbon savings of 44.911 photovoltaic-powered houses.

Materials for interior construction with wood of short distances (Low Carbon Timber - HOLZ VON HIER) instead of Brazil or USA save 2.5 to 3.1 t CO₂ per residential building.

	The replacement of „LED instead of light bulb“ in the whole house will reach the same CO ₂ savings only after 12 to 15 years.
	This compensates for CO ₂ emissions through 1 to 1.2 years of electricity and heating in a modern new residential building.
	This compensates for the CO ₂ emissions of 1.1 to 1.4 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 ₂ savings in case of washing machines after 47 and 74 years and for refrigerators after 20 and 25 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.