

m³ Plywood

Plywood is a manufactured timber product made from thin veneers of timber bonded together under heat and pressure. Typically the outer layers (face timbers) are a higher grade with superior aesthetic qualities. Plywood is a high-strength, high quality sheet material, with good dimensional stability and resistance to cracking and warping.

Veneers are 'peeled' off a timber log to a precise thickness, and laminated together with other veneers, typically at different orientations to provide increased strength and stability. They are bonded with urea formaldehyde or a water-resistant glue such as phenol formaldehyde.

Plywood is available in a variety of grades, and timber species. These include high grade interior plywood, formply, exterior/ marine grade plywood, and structural plywood.

Category *Timber products*

Type *Manufactured timber product*

Functional unit *m³*

Specific heat *1 215 J/(kg·K)*

Density *625 kg/m³*

Common uses
Timber sheets, interior joinery, walling, flooring, formwork, furniture, cladding

Process name
Plywood, indoor use, at plant/RER U/AusSD U

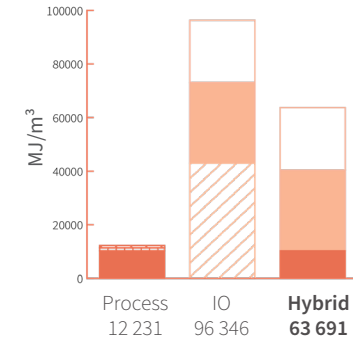
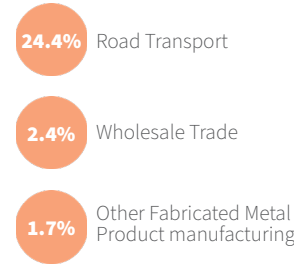
Input-output sector
Other Wood Product Manufacturing

Further information
doi.org/10.26188/5da556748c57f

Material variations

	Unit	Energy (MJ/unit)	Water (L/unit)	GHG emissions (kgCO ₂ e/unit)
<i>Plywood - indoor decorative</i>	m ³	63 691	69 363	3 680
<i>Plywood outdoor</i>	m ³	26 790	23 083	1 777

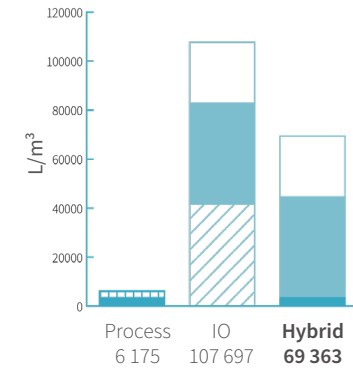
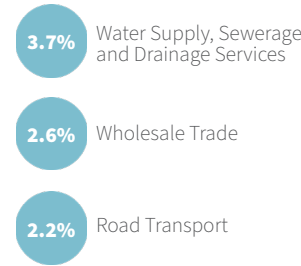
TOP THREE INPUTS



ENERGY



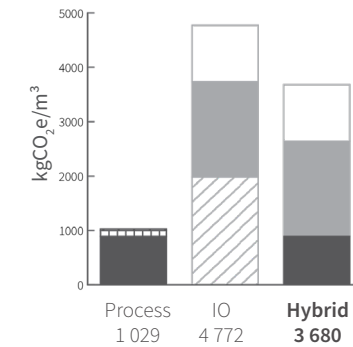
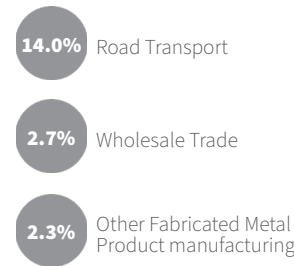
TOP THREE INPUTS



WATER



TOP THREE INPUTS



GREENHOUSE GAS EMISSIONS

