

A Lower CO₂ Footprint with EcoAL

	Industry Standard Billet	EcoAL8 Billet	EcoAL4 Billet
Carbon Emissions (tCO₂/tAl) ¹ Equivalent to the carbon emissions from the number of households for a year per tonne of aluminium billet produced. ²	17.99 6 Households	< 8 2.6 Households	< 4 1.3 Households
Smelter Power Source	Coal	Wind, Solar and/or Gas	Hydroelectricity
Traceability (from Mine to Smelter)	Yes		
Emission Certification	No	Yes ³	Yes ³

1. tCO₂/tAl = tonnes of carbon dioxide emitted in the production of one (1) tonne of aluminium billet. This figure combines Scope 1 - Direct and Scope 2 - Indirect (purchased electricity) emissions.

2. Based on the carbon emissions from powering (energy consumption) an average Australian household (comprising 2.6 people) being = 3t/annum. This figure is based on using a carbon intensity factor of 450 grams of CO₂ per kWh and the average energy used per day per household = 18.71 kW (Source: <https://smarllifestyleaustralia.com.au/2024/03/05/australias-household-energy-consumption-proportion/>) therefore the Electricity Emissions = 18.71 kWh/day** x 365 days = 6,829 kWh/year x 450 gCO₂/kWh ÷ 1,000,000 = 3.07305 metric tons of CO₂ per year.

3. Certification provided up to post-extrusion (ex-mill) point only. Certification is not available for traceability from post extrusion through to product fabrication.

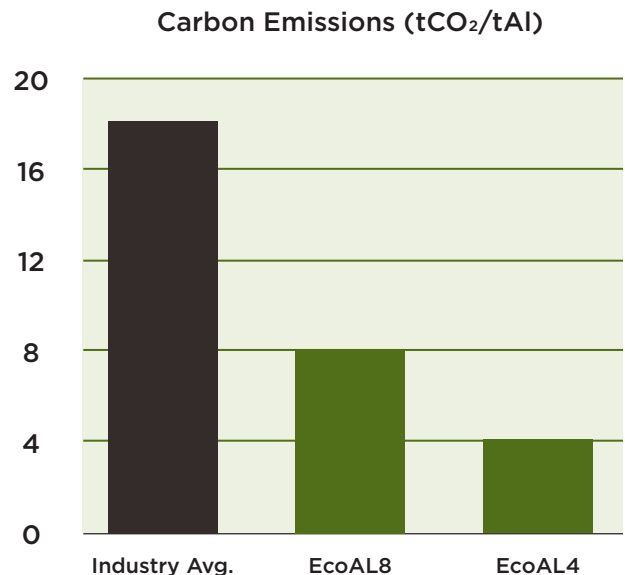
EcoAL4 & EcoAL8

In a world of elevated environmental awareness, the demand for materials with low or lower carbon emissions has never been greater.

In response, G.James Aluminium Products has introduced the **EcoAL** range of aluminium billets¹.

With two options available, EcoAL4 and EcoAL8, you can expand your green credentials by selecting a reduced emission-grade billet for your extrusions.

EcoAL billets are produced using innovative sources of power generation for the smelting process, the most energy-intensive process in the production of aluminium.



GJECC/AI0624