

A stylized illustration of a sustainable industrial landscape. It features a winding road with a yellow truck, a modern office building, a factory with two large doors, stacks of aluminum sheets, and a smaller truck. The scene is dotted with green trees and a small flag on a pole. The background is a solid green color.

LocAl[®] Lower-carbon Aluminium Sheet & Plate

Trusted 5005 & 5083 Alloys,
Lower Carbon Footprint

Capral is proud to offer LocAl[®] lower-carbon rolled aluminium products in two trusted alloys:

- **Stocked 5005 sheet**
- **Special Order 5083 plate**

Both deliver the performance and versatility these alloys are known for with a reduced carbon footprint.

CAPRAL
ALUMINIUM



LocAl® 5005 Sheet

Stocked, Ready to Deliver

Capral's LocAl® 5005 aluminium sheet is stocked and available nationally. A trusted alloy for decades, 5005 delivers excellent corrosion resistance, smooth surface finish, and suitability for anodising.

CO2e intensity:

5.87 kg per kg of aluminium*

Stocked thicknesses:

2mm & 3mm

Sheet sizes:

- 1200 x 2400
- 1500 x 3000
- 1500 x 3600

Finishes:

- Mill finish
- PVC-coated finish

Availability:

Stocked and distributed nationally

Applications:

- Architectural cladding
- Roofing
- Signage
- Marine
- Decorative finishes

MATERIAL NO.	MATERIAL DESCRIPTION	THICKNESS	WIDTH	LENGTH	ALLOY	TEMPER	FINISH
108821	MILL FINISH - LOCAL - REDUCED CARBON	2.00	1200	2400	5005	H34	MF
108822	MILL FINISH - LOCAL - REDUCED CARBON	3.00	1200	2400	5005	H34	MF
108823	MILL FINISH - LOCAL - REDUCED CARBON PVC COATED 50UM 1 SIDE	3.00	1200	2400	5005	H34	PVC 50UM 1S
108824	MILL FINISH - LOCAL - REDUCED CARBON	3.00	1500	3600	5005	H34	MF
108825	MILL FINISH - LOCAL - REDUCED CARBON	3.00	1500	3000	5005	H34	MF

Certified Sustainability

Our lower-carbon rolled products can be supplied with LocAl® Certification upon request.



* Kilograms emitted per kilogram of aluminium produced - Aluminium Smelting, Casting and rolling.
Based on SGS "Product Carbon Footprint" (PCF) certification.



LocAl® 5083 Plate

Special Order

For heavy-duty applications where strength and durability are critical, Capral can supply LocAl® 5083 plate on an indent basis. Produced with a carbon intensity of <7kg CO₂e per Kg Al this alloy delivers both performance and sustainability benefits.

We can provide:

- 5083 Alloy with <7 t CO₂e/1t Al*
- Supplied on special order (indent basis)
- DNV-certified plate options available (up to 51 mm thick)

Lead time:

4–5 months

Available Sizes:

Gauges: 3–120 mm
(DNV certified to 51 mm)

Max width: 2500 mm

Max length: 11,800 mm

Certified Sustainability

Capral LocAl® Aluminium 5083 Plate can be supplied with both LocAl® and ASI CoC Certification upon request.



* Figures based on Scope 1 and 2 (Operational emissions) and Scope 3 (Primary footprint and upstream transportation ex manufacturer)

Why Lower-carbon Aluminium Matters

Aluminium is strong, lightweight, and endlessly recyclable. But did you know that producing 1kg of primary aluminium creates, on average, 12.46* kg of CO₂e?

By choosing lower-carbon aluminium, these emissions can be significantly reduced. LocAl® Aluminium offers a responsibly sourced solution for projects across construction, engineering, marine, transport, defence, renewable energy, and general fabrication.

* Based on international average kilograms emitted per kilogram of aluminium produced – Aluminium Smelting and Casting - International Aluminum Institute (IAI).

Why it matters:

- Reducing carbon emissions mitigates the effects of global climate change.
- Lowering CO₂e improves public health and helps sustain biodiversity.
- Cutting emissions supports cleaner air, water, and food security.
- Responsible procurement helps future-proof businesses and align with corporate Environmental, Social, and Governance targets.

LocAl® Aluminium empowers your business to make a responsible choice – reducing embodied carbon, strengthening your sustainability story, and delivering a positive impact on our climate.



To learn more about
LocAl® Lower-carbon Aluminium
products visit:

lowcarbonaluminium.com.au

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