

# ALCAN ALUMINIUM ROOF AND WALL CLADDING

Alcan LT6 roofing sheet and flashings are produced entirely from a high strength marine grade aluminium alloy 5251 which has an outstanding ability to resist corrosion. A full range of stainless steel fasteners and aluminium/EPDM sealing washers are also provided to complete a roofing system of long term weather-tightness and durability.

Technical brochures are available which provide detailed information and must be referred to before any design or installation work is commenced.

## Availability

Thickness — 0.7, 0.8, 0.9.  
 Cover Width — 760mm  
 Overall Width — 806mm  
 Length — Custom cut 1.0 through 21.3m

## Finishes:

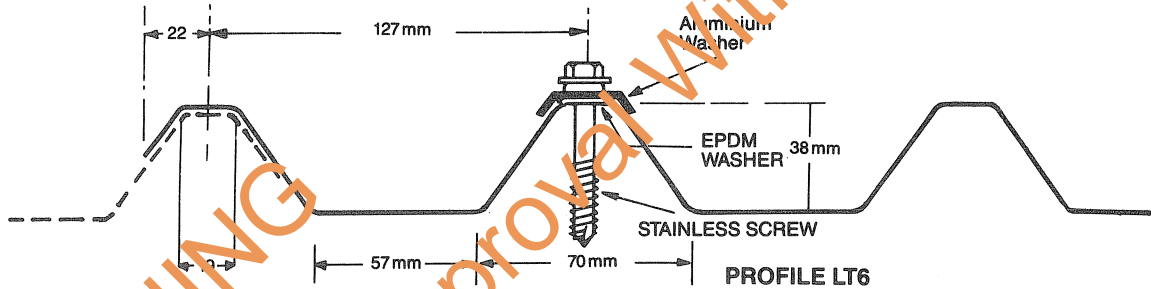
**Standard** — Stucco embossed over matte finish  
**Painted** — Silicone modified polyester applied by John Lysaght Organic Finishes

## Eaves Closure

Factory formed one or both ends recommended for weather-tightness at eaves.

## Crimp Curving

Factory formed external or internal curves. Crimp curved ridge caps provide security under cyclonic conditions.

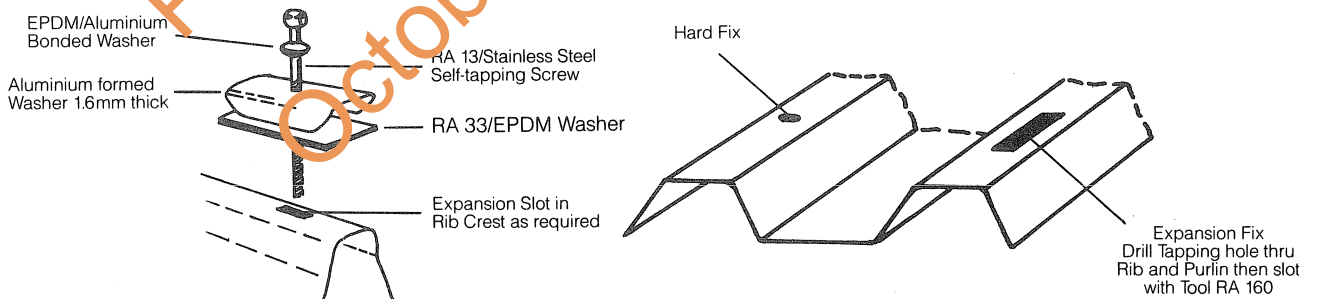


**Roof Fixing.** The Alcan Positive Fix System provides for thermal expansion of the roofing sheet by "hard" fixing at the top of the sheet slope with "expansion" fixing being used to accommodate expansion towards the lower end of the sheet slope.

"Hard" fixing is used for the first 6 metres from the ridge or skillion head and consists of drilling the tapping drill through the rib and purlin, then opening the rib crest hole to 6mm diameter, after which the fastener is installed.

"Expansion" is used for the remainder of the sheet length and follows the same procedure as hard fixing with the exception that the hole in the rib crest is slotted after drilling, using tool RA 160 before insertion of the fastener.

For both types of fastening the screw should be screwed down until it presses on the washer with a medium pressure. Under no circumstances should the screw be overtightened to the point where the formed washer, or the washer under the screw head, commence to distort.



**NOTE:** Roofs or walls are *not* to be valley fastened in cyclonic areas.

## Fastenings/Sealing Washers

Function	Alcan Number	Material	Gauge/Thickness	Length	Type
Crest Fix to Steel	RA 15	304 Stainless Steel <sup>1</sup>	14G	64	B
Crest Fix to Timber	RA 10	304 Stainless Steel <sup>1</sup>	12	75	A
Side Lap Stitch	RA 18	304 Stainless Steel <sup>2</sup>	12	20	A
Valley Fix to Steel	RA 14	304 Stainless Steel <sup>1</sup>	14	20	B
Saddle Washer	RA 23	Aluminium	1.6mm	50m	
Sealing Washer <sup>3</sup>	RA 33	EPDM/Teflon	1.5	50	
Sealing Washer <sup>4</sup>	RA 36	EPDM	1.5	50	

1. Supplied with EPDM/Aluminium bonded washer under head.  
 3. Used for expansion fixing.

2. Integral EPDM washer under head.  
 3. Used for hard fixing.

MANUF'S NAME <b>ALCAN AUSTRALIA LTD.</b> ADDRESS <b>Unwin St Granville N S W</b>	FIXING OF <b>LT6 ROOFING SHEET</b>	
	IN THE DARWIN AREA	
CERTIFIED <i>JJ Callahan B.E. CIVIL M.I.E. AUST.</i> <b>7.9.87</b>	<b>DESIGN DATA SHEET 1/2</b>	
	ACCPTD <i>JR Gardner M.I.E. AUST</i>	DATE <b>22.10.87.</b>