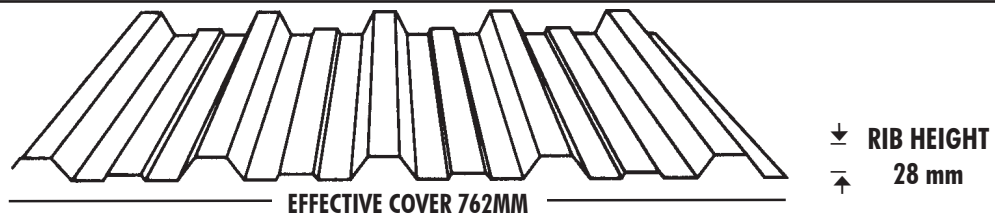


# DUALCLAD™ (HI - TEN)



## ROOF AND WALL CLADDING

Dualclad steel steel roofing and wall cladding has a modern profile with widely spaced ribs that make it suitable for a variety of applications. It is ideal for roofing and wall cladding on commercial, industrial and residential buildings. In custom cut lengths, it's lightness and spanning ability mean economical, wide support spacings. Dualclad can be used on roof pitches 3° (1 in 20). The snug fitting weather - proof side laps make a trim finish. Fixing is fast - the long, straight sheets falling easily into place.



### ADVANTAGES

#### COST SAVINGS

Eliminates end laps and allows the job to be laid in one operation, thus keeping installation time to a minimum.

#### DURABILTY

Long life is obtained from the high tensile steel, galvanised, zinc or colour finishes available.

#### HIGH STRENGTH

Dualclad has been designed to be a light weight sheeting for ease of construction and handling, yet provide maximum structural properties and damage resistance in service.

#### WIDE COVER

The effective cover is 762mm when applied, as indicated.

#### ROOF PITCH

The sheeting maintains a weatherproof seal for roofs pitched as low as 3° (1 in 20).

### RECOMMENDED SPANS

#### SUPPORT BRACINGS - BUILDINGS UP TO 10M IN HEIGHT

The following table covers normal applications in non - cyclonic areas for buildings with a maximum internal pressure coefficient of +0.2 and a wind velocity of up to 50m/sec. in terrain category 3 as laid down by AS1170

Part 2 SAA Loading Code - Wind Forces. The correct number of fasteners must be used. Spans indicated below are based on testing in accordance with AS1562.

### FINISHES

- Galvanised - heavy zinc coated steel.
- Zinc - Zinc/Aluminium coated steel.
- Colour - Oven baked, painted, cured on a zinc base metal.

#### TOLERANCES

Overall length, ±5mm.  
Cover width, ±4mm.

### MATERIAL SPECIFICATIONS

Dualclad is a cold roll formed roof and wall cladding, manufactured for all finishes from a base steel of:

- G550 (550MPa minimum yield stress) Hi - Tensile with a thickness of 0.42mm or 0.48mm.
- Galvanised finish is Z450 zinc coating (450 gram per square metre) of 0.05mm thickness in accordance with AS1397.
- Zinc finish is AZ150 zinc/aluminium alloy coating (150 gram per square metre minimum coating mass) of 0.05mm thickness in accordance with AS1397.
- Colour finish is pre - painted oven baked, cured, available in a number of colours, over a steel based coating of 0.05mm thickness in accordance with AS1397.

PRODUCTS		ROOF SPANS (mm)			WALL SPANS (mm)	
Base Metal Thickness*(mm)	Approx. Mass* kg/m <sup>2</sup>	Single or End Span	Internal Spans	Unsupported Overhang	Single or End Span	Internal Spans
0.42	4.40	1000	1700	150	2100	2400
0.48	4.90	1700	2300	150	2400	2800

## INSTALLATION

Installation should be carried out according to the 'Code of Common Practice for Steel Roofing' SAA HB39 - 1992.

### METHOD

Dualclad® sheeting can be placed in position efficiently and quickly due to the overlap design. Sheets fit together easily and are aligned as indicated. Dualclad sheeting should be laid with the 'over' edge away from the prevailing weather.

### END LAPS

Where it is necessary to use two or more shorter sheets to provide full length coverage, the complete line of sheets from gutter to ridge should be completed before the adjacent sheets are laid. The minimum end lap for roofs is 230mm and for walls, 100mm. End laps at roof pitches less than 5° should be sealed effectively, either by rivetting or using an approved sealant.

### STOP ENDING

Sheets should be stop ended, that is, folded through approximately 60° at the ridge line of each length to prevent water entering, particularly on low slope roofs. Stop ending may be carried out on the ground before raising the sheets in position, or on the roof if the material has been fitted on to the framing.

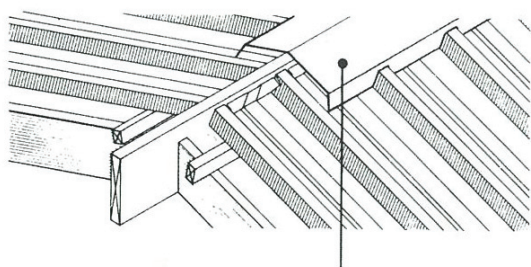
### FIXING

Dualclad® can be crest fixed to steel or timber roof purlins and wall girts, or pan fixed to steel roof purlins and steel or timber wall girts.

### RECOMMENDED FASTENERS

#### STEEL FRAMING

1. Crest Fixing - No. 12 x 345mm Hex. Head Tek's Self - tapping screw.
2. Pan - Fixing - No. 10 x 16mm Hex. Head Tek's Self - tapping screw.



RIDGE CAPPING

#### TIMBER FRAMING

1. Crest Fixing - No. 12 x 65mm Hex. Head Screw.
2. Pan Fixing (Walls only) - No. 12 x 25 mm Hex. Head Screw.

### ALTERNATIVE FASTENERS

The following fasteners can also be used with normal support and allowable wind loads:

1. Galvanised Spring Head nails (65mm with good quality, sound timber).
2. Roofing Screws (where roof slopes are greater than 10° and weather-proofing is not critical).

### NOTES

Fasteners should not be located less than 25mm from sheet ends.

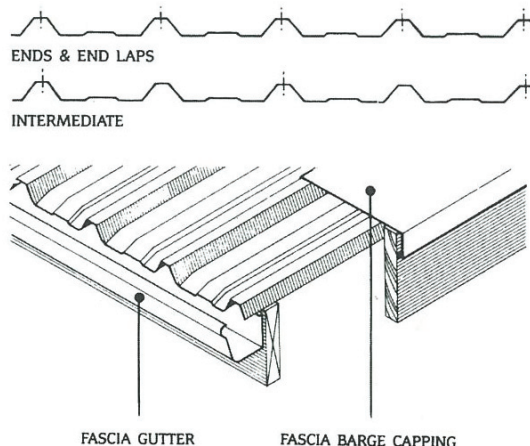
If using pan fixing, a side lap fastener is also required along each pan fastener.

Do not over tighten screws and add 10mm to the screw length for fixing to softwood.

Do not use punches to form fasteners holes, instead use either self-drilling screws or the correct drill size.

Do not use lead head nails, when using Zinc or Colour sheeting.

*It is the responsibility of the purchaser to ensure that any product purchased from Robot Building Supplies complies with all the building regulations/requirements of any Council, Planning or Building Authority. Robot Building Supplies makes no representations as to compliance with any such regulation or law and will not accept any claims arising from non compliance.*



FASCIA GUTTER

FASCIA BARGE CAPPING

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<b>SUNSHINE</b>	596 Ballarat Rd	<b>9363 0666</b>
<b>PRESTON</b>	60 Chifley Dve	<b>9487 9700</b>
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Robot Trading Co Pty Ltd trading as Robot Building Supplies  
A.C.N. 004 910 552 A.B.N. 40 103 429 115

