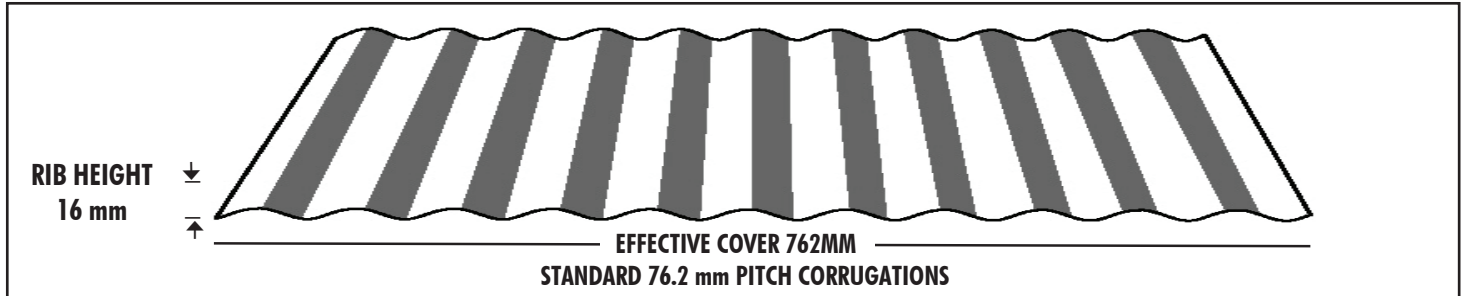


## CORRUGATED STEEL SHEETING

Rolex is custom-length, high tensile steel corrugated roofing and wall cladding. Manufactured from galvanised, zinc or colour for long life. The sheets are available with Z450 or AZ150 zinc coating - used in straight lengths for roofing and wall cladding and G300 Zinc - for curving and bending.



### ADVANTAGES

#### COST SAVINGS

Eliminates end laps and allows roof to be laid from eaves to ridge in one operation, thus reducing installation to a minimum.

#### DURABILITY

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

#### HIGH STRENGTH

Rolex 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 using a side lap of 1½ corrugations.

#### ROOF PITCH

With 1½ corrugations side lap a low pitch of 5° may be attained.

### 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.

#### TOLERANCES

Overall length,  $\pm 10$  mm.

Overall width,  $\pm 4$  mm.

### MATERIAL SPECIFICATIONS

Rolex is a cold roll formed roofing manufactured from a base steel of either:

- G550 (550MPa minimum yield stress) Hi - Tensile with a thickness of 0.42mm or 0.48mm.
- G300 (300 MPa minimum yield stress) with a steel thickness in accordance with AS1562 and respective coating finishes (1, 2 or 3 as available)
- 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	900	1200	200	1350	1800
0.48	4.90	1200	1600	200	1800	2400
0.55	5.50	1350	1800	300	2000	2400

## INSTALLATION

Installation should be carried out according to the 'Code of Common Practice for Steel Roofing' SAA HB39 - 1997.

### METHOD

Rolex sheeting can be placed in position efficiently and quickly due to the overlap design. Sheets fit together easily and are aligned with 1½ corrugations side lap. Rolex 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.

### 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 maybe 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.

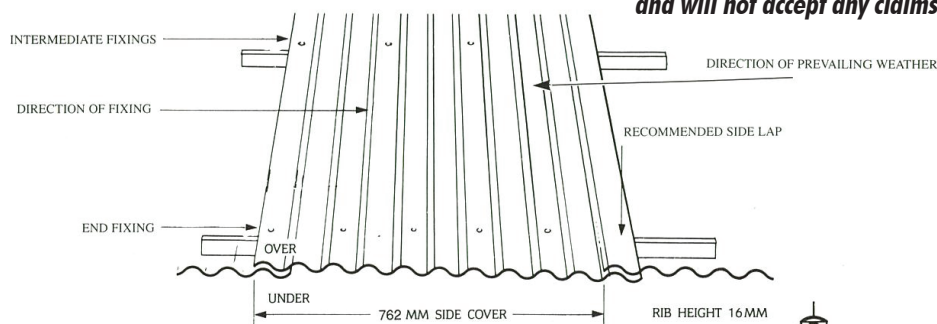
### FIXING

Rolex 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 35mm Hex. Head Tek's Self - tapping screw.
2. Pan - Fixing - No. 10 x 16mm Hex. Head Tek's Self - tapping screw (walls only)



**NOTTING HILL** 326 Ferntree Gully Rd **9543 3666**

**SUNSHINE** 596 Ballarat Rd **9363 0666**

**PRESTON** 60 Chifley Dve **9487 9700**

**DROMANA** 2 - 6 June Ave **5987 1166**

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#### TIMBER FRAMING

1. Crest Fixing - No. 12 x 50mm 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 with neoprene washers (use only 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 valley fixing, a side lap fasteners is also required along each valley fastener.

Do not over tighten screws.

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

Do not use lead head nails, when using zinc or colour sheeting. Add 10 mm to screw length for fixing to softwood.

### LOCATION OF FASTENERS

For normal conditions five fasteners should be applied at end supports and three at internal supports whether crest or valley fixing in timber or steel.

*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.*

