

## Handling

To preserve the surface finish, handling should only be carried out using clean dry gloves.

On large building projects, handling time can be reduced by lifting bundles directly on to the roof with a crane. If required Roofmart can advise on lifting long length bundles.

For small and medium jobs without lifting facilities, sheets can easily be passed up one at a time by hand.

Do not slide sheets over rough surfaces or each other.

## Storage

Packs of Roofmart decking in all finishes must be kept dry, both in transit and storage prior to use.

On no account should bundles be left exposed to the weather. If not required for immediate use, sheets or bundles should be neatly stacked clear of the ground and, if in the open be protected by loose covers allowing for adequate air circulation.

Rain or condensation are easily drawn in between tightly stacked sheets by capillary action and as evaporation cannot occur in the normal way, stains can result, detracting from the appearance of the job. Staining from condensation can occur even in dry weather.

Keep the product dry at all times.

## Compatibility

Materials traditionally used in contact with galvanised sheeting can safely be used in contact with zincalume. Lead, however, cannot be used.

Where underside condensation is likely to occur, coated steel purlins and girts etc. should be used to avoid bare steel to zincalume contact.

## Cutting Sheets

A power saw with abrasive cutting disc is the best method of cutting sheets, especially for long runs or large quantities.

When cutting colour sheets, it is a good practice to place exposed colour side down to prevent unsightly heat marks showing or damage to painted surface from hot swarf.

Where possible, cutting should be carried out on the ground, so hot swarf will fall away harmlessly. If cutting must be carried out on the roof, steps should be taken to prevent hot swarf from falling on and damaging painted decking surfaces.

## Roof Traffic

In order to protect cladding from needless abrasion, workmen should be instructed to wear smooth, soft soled shoes, not ribbed soles which may hold stones, etc., and where possible planking should also be used. Planking is especially important where Colorbond finish and 0.55mm or less base thickness cladding is being used. To avoid surface damage care should be taken in lifting and placing planking onto cladding.

## Cleaning Up

Care should be taken to ensure all metal shavings caused by drilling, sawing or filing, are swept off the roof immediately. Roofs and gutters should be swept clean of all debris (metallic especially) at least once a day, when work finishes, and in particular when fixing is completed. Corrosion and failure of zincalume coating can occur if it is left in contact with iron or copper based materials under moist or condensation conditions. Failure to carry out this precaution can result in rust staining on zincalume surface as particles oxidise during exposure.

## Sealed Joints

Where sealed joints are required, use a sealant in conjunction with mechanical fasteners (e.g. rivetting).

## Recommended Sealants

Neutral curing silicone rubber sealants (acetic acid-free and amine-free) possess the most complete relevant list of properties required to service the total range of Roofmart sheet steel exterior finishes, together with an adequate range of flashing materials.

## Delivery

Lengths in excess of 20m may be subject to special arrangements and additional charges. Spreader bars are available for crane unloading direct from truck to roof.

## Span and Mass Table

Spans for Non-Cyclonic Regions A & B to a maximum worst cladding design wind pressure of 1.28kPa for ultimate strength limit state to AS1170.2 - 2002.

For technical queries relating to design wind pressures refer to Roofmart.

Material	Base Metal Thickness (mm)	Roof Spans (mm)				Wall Spans (mm)	
		Internal Spans	End Spans	Unsupported Overhang	*Stiffened Overhang	Internal Spans	End Spans
Steel	0.42	3400	3000	425	650	3600	3000
G550	0.48	3750	3300	525	700	4000	3900

\* Overhang stiffened by attached gutter.

Material	Base Metal Thickness (mm)	Mass			
		Per Unit Area kg/m <sup>2</sup>	Per Unit Area kg/m	Coverage m <sup>2</sup> /t	Metreage m/t
Steel	0.42	5.0	3.3	199	306
G550	0.48	5.7	3.7	176	270

## Recommended Fasteners

Fasteners (Comply with AS3566 class 3)

Timber	Crest Fix 14 x 75 Type 17 H.D. Pan Fix 12 x 25 Type 17
Steel	Crest Fix 12 x 75 Tek Pan Fix 12 x 20 Tek
Side Lap Fasteners	8 x 15 Needle Point 10 x 16 Tek Colour matched heads available on order.

Available in ZINCALUME and colour coated as per current colour matrix.

### CREST FIXING

All supports (4 fasteners per sheet)



### VALLEY FIXING

All supports (4 fasteners per sheet)



**ZINCALUME is a registered Trade Name of BHP Steel Ltd**

## Specification

### Material

For all finishes  
550 MPa Yield Stress.

Zincalume finish – AZ150 coating (150g/m<sup>2</sup> coating mass).

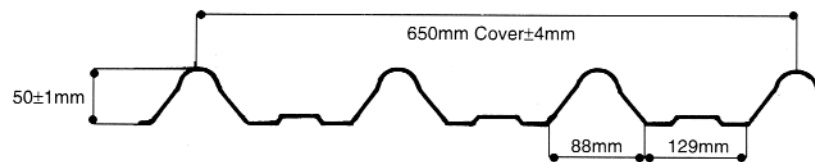
Colour finish applied over Zincalume sheet steel.

### Thickness

Base metal thickness (BMT)	0.42mm	0.48mm
Total coated thickness (TCT) ZINCALUME	0.47mm	0.53mm

### Width

Effective cover	650mm
Overall width	720mm



### Manufacturing Tolerances

Length	±10mm
Width coverage	± 4mm

### Minimum Pitch

Roofmart Hi-Deck 650 can be installed with a minimum pitch of 1 in 60 (1°) for runs up to 30 metres.

**Note:** Ensure roof is well supported and purlins are straight, otherwise 'ponding' may occur, especially at minimum pitch conditions.

### Lengths

As requested by client or as restricted by transportation limitations.

### Packing

Strapped bundles of 1 tonne mass or as requested by client.

### Extreme Fixing

Extreme Fixing is carried out in locations where high winds occur, including cyclonic areas, contact Manufacturer for recommended fasteners.