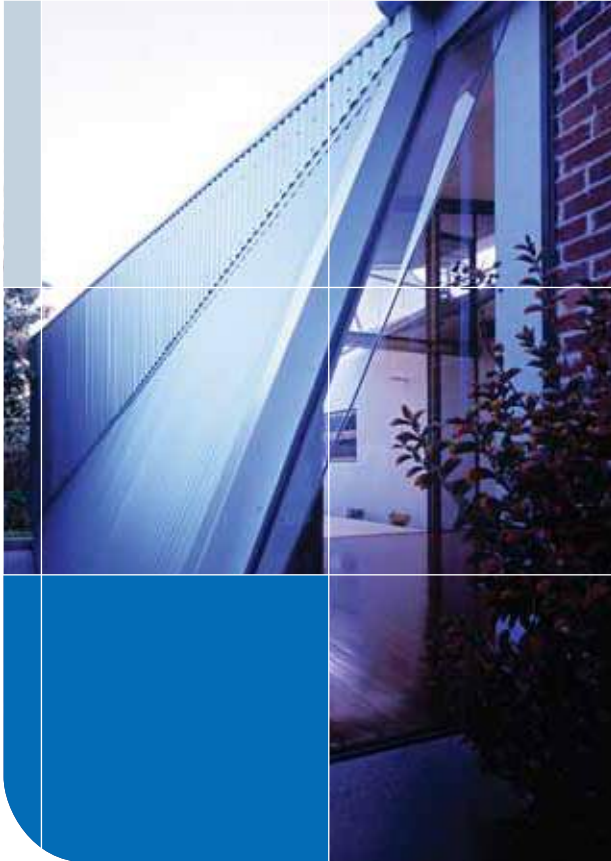


NS BLUESCOPE LYSAGHT MALAYSIA

# LYSAGHT® CUSTOM ORB® CUSTOM BLUE ORB®

## Installation Guide



Structural Solutions



Roofing & Walling Solutions



Truss

# LYSAGHT® CUSTOM ORB® CUSTOM BLUE ORB®



## INSTALLATION METHOD

### FASTENERS WITHOUT INSULATION

	Fix to Steel Single & lapped steel thickness ≥0.55 up to 1.0mm BMT	Fix to Steel Single thickness steel ≥1.0mm BMT up to 3.0mm BMT	Fix to Steel Total lapped thickness of ≥1.0mm BMT up to 3.8mm BMT	Fix to Timber Hardwood J1-J3	Fix to Timber Softwood J4
<b>Crest Fixed</b>	RoofZips M6-11x50	12-14x35, Metal Tek's HG, HH or AutoTek's M5.5-14x39	12-14x35, Metal Tek's HG, HH or AutoTek's M5.5-14x39	12-11x50, Type 17 HG, HH	12-11x50, Type 17 HG, HH or RoofZips M6-11x50 HG, HH
<b>Pan Fixed</b>	10-16x16, Metal Tek's, HH or M5-16x25 Designer Head RoofZips M6-11x25	10-16x16, Metal Tek's, HH or M5-16x25 Designer Head	10-16x16, Metal Tek's, HH	10-12x25, Type 17, HH M5-16x25 Designer Head 12-11x25, Type 17, HH	10-12x30, Type 17, HH 12-11x25, Type 17, HH M5-16x25 Designer Head or RoofZips M6-11x25
<b>Side laps</b> (If required) 10-16x16. Metal Tek's, HH or Roof Zips M6-11x25 or M5-16x25 Designer Head or Sealed blind rivet ø4.8mm aluminium					

Notes: 1) For other steel thickness not specified please seek advice from screw manufacturer.  
2) Values given are: gauge/threads per inch/lengths (mm). HH = Hex. Head, WH = Wafer Head, HG = Hi-Grip  
3) Care is required during installation to prevent stripping of thin material. (Single ply.)  
4) Screw specification as above or equivalent fastener.  
5) All screws with EPDM sealing washer.

#### Crest: 3 fasteners†



#### Valley: 3 fasteners†



#### Crest: 5 fasteners†



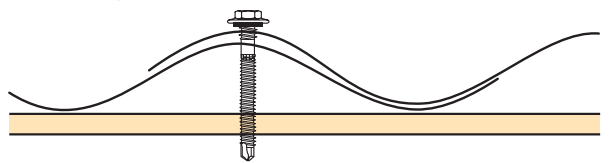
#### Valley: 5 fasteners†



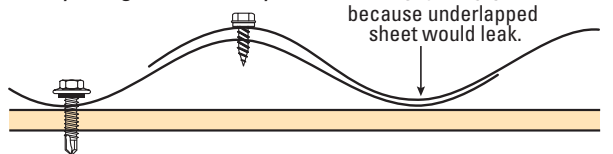
† Fasteners per sheet per support.

Most common practice is: 3 fasteners for internal spans and 5 fasteners for single and end spans.

#### Crest fixing for roof or walls



#### Valley fixing for walls only



### FASTENING SHEETS TO SUPPORTS

LYSAGHT® CUSTOM ORB® and LYSAGHT® CUSTOM BLUE ORB® are pierce-fixed to timber or steel supports. This means that fastener screws pass through the sheeting.

You can place screws through the crests or in the valleys. To maximise watertightness, always place roof screws through the crests. For walling, you may use either crest or valley-fixing.

Always drive the screws perpendicular to the sheeting, and in the centre of the corrugation or rib.

Do not place fasteners less than 25 mm from the ends of sheets.

### SIDE-LAPS

LYSAGHT® CUSTOM ORB® (and LYSAGHT® CUSTOM BLUE ORB®) is overlapped at the sides not less than 1.5 corrugations. It is generally considered good practice to use fasteners along side-laps however, when cladding is supported as indicated in maximum support spacings, side-lap fasteners are not usually needed for strength.

### END LAPPING

End-laps are not usually necessary because LYSAGHT® CUSTOM ORB® and LYSAGHT® CUSTOM BLUE ORB® are available in long lengths.

If you want end-laps, seek advice from our information line on the sequence of laying and the amount of overlap.

If you intend to end-lap LYSAGHT® CUSTOM ORB® and LYSAGHT® CUSTOM BLUE ORB®, order the sheets at the same time and tell us you intend to lap them, to ensure a good fit of the profiles.

### ENDS OF SHEETS

It is usual to allow sheets to overlap into gutters by about 50 mm. The valleys of sheets should be tuned-down at lower ends, and turned-up at upper ends.

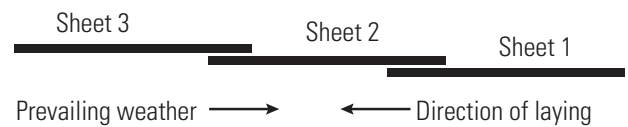
### LAYING PROCEDURE

For maximum weather-tightness, start laying sheets from the end of the building that will be in the lee of the worst-anticipated or prevailing weather.

Lay sheets toward prevailing weather. Also, it is much easier and safer to turn sheets on the ground than up on the roof.

Before lifting sheets on to the roof, check that they are the correct way up and the overlapping side is towards the edge of the roof from which installation will start.

Place bundles of sheets over or near firm supports, not at mid span of roof members.





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