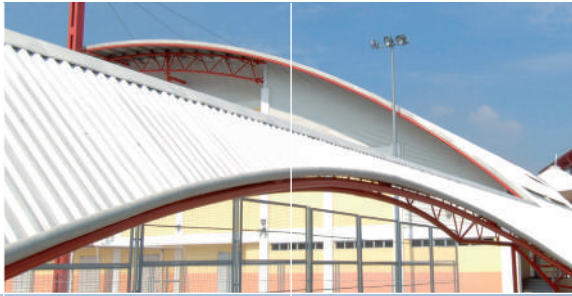


NS BLUESCOPE LYSAGHT MALAYSIA

LYSAGHT® HR-29™ OPTIMA™

Installation Guide



Structural Solutions



Roofing & Walling Solutions



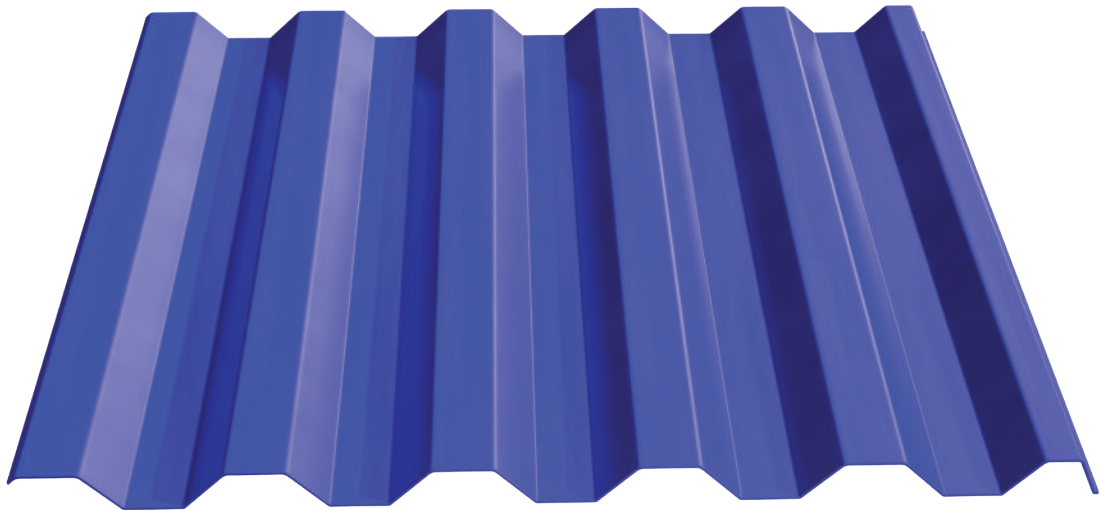
House Framing Solutions



LYSAGHT®

HR-29™ OPTIMA™

High Rib Roofing & Walling Profile For Optimized Spanning Capability



INSTALLATION METHOD

STEP 1



Locate the first roof sheet and make sure the female rib is close to the barge.

STEP 2



Check the end of roof sheet in relation to overhang for gutter.

STEP 3



Fasten screws on each rib for single and end spans and every alternate rib for internal spans.

STEP 4



Place the second sheet with the female rib over-lapping the male rib of the first sheet. The sheets are snugly nested at the lap.

STEP 5



Vice grips are clamped on two ends. Fasten screws on the lap of every rib.

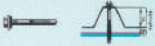


STEP 6



Make periodic check on alignment after every 10 sheets.

FASTENING METHODS AND RECOMMENDED FASTENERS

RECOMMENDED FASTENERS

| Location | Type of Fixing | Details | Type of Fastener | Drilling Capacity | Maximum Attachment |
|----------|-----------------|---|--|-------------------|------------------------------|
| Roof | Crest Fixing |  | 12 - 14 X 55 HGS 12 - 14 X 68 HGS | 6.5mm 6.5mm | Maximum 40mm Maximum 53mm |
| Wall | Valley Fixing |  | 12 - 14 X 20 HWFS 12 - 14 X 30 HWFS | 6.5mm 6.5mm | <6mm <16mm |
| | Side Lap Fixing |  | 10 - 16 X 16 HWFS | 4.5mm | 1.2 - 4.5mm |

*recommended fastener to conform to AS3566 Class 3

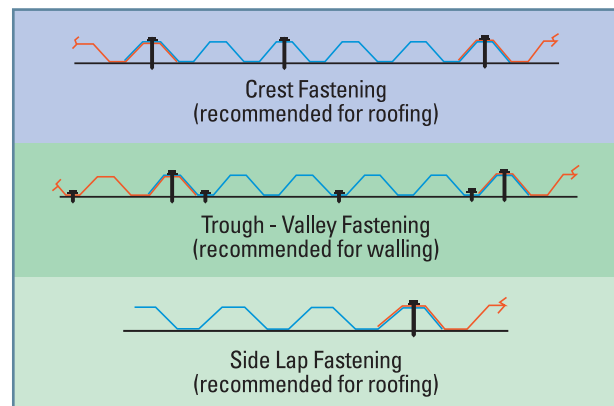
IDENTIFICATION OF FASTENERS

The format of the number code is:

12 - **14** x **55**
 Screw gauge (Thread outside diameter) Thread pitch (Thread per inch) Overall length of the screw measured from under the head (mm)



FASTENERS SPACING





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