

# Design Considerations

## Installation Arrangement

The glass reinforced polyester is required to be supported on both edges when installed in accordance with AS/NZS 1562:3.1996. It should be installed in single sheets supported by the main roofing material.

Multiple sheets can sometimes be used subject to discussion with Alsynite NZ Technical Department.

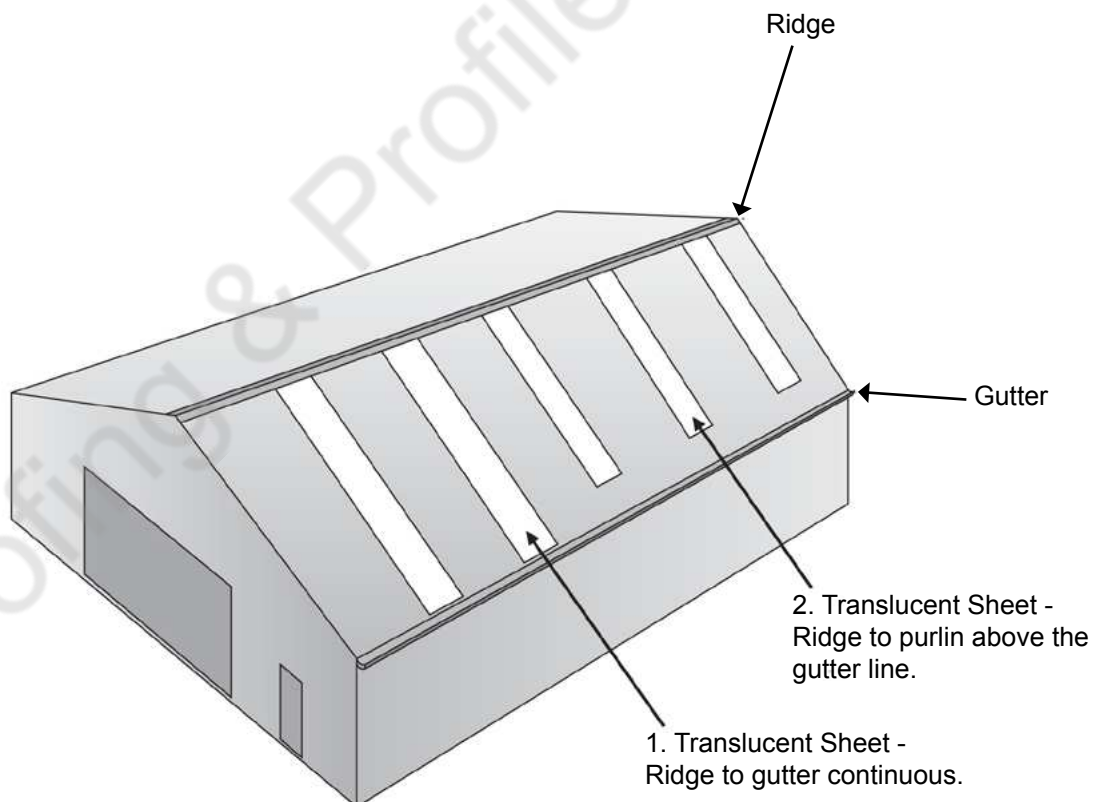
## Roof Light Arrangement Options

1. Single roof light running from the ridge to the gutter.
2. Single roof light running from the ridge to the purlin support one back from the gutter line.

## Appropriate Roof Profile for the Structure

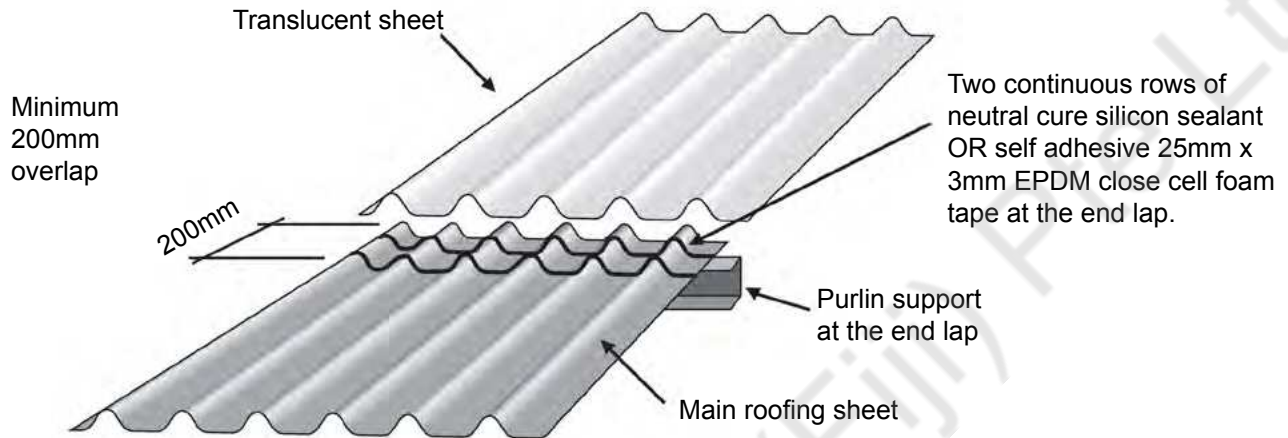
Past experience has shown that if roofing is to suffer leakage it is often attributable to the roof lights, and a number of cases it is the rib height of the profile rather than installation which causes the concern. Although the roofing profile may be designed to meet the low pitch, there is little room for error in carrying the water, particularly during periods of high winds. Where a low pitch and long lengths of sheeting is required, it is recommended that the roofing profile should have a rib height of at least 32mm. Refer to Loan Span Capabilities chart for more information.

## Roof Light Arrangement Options



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## Typical End Lap of Translucent Sheet



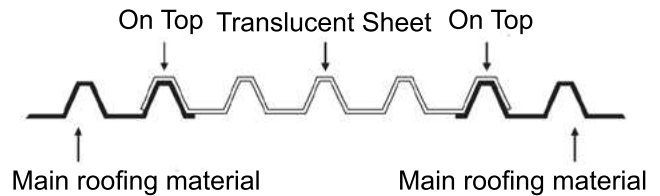
## Typical Side Lapping of Sheet

### Edge Installation

Alsynite industrial glass reinforced polyester sheeting is designed to lap over and be supported by the main roofing material on both edges in accordance with AS/NZS 1562:3:1994.

The following drawings show typical examples of common profiles.

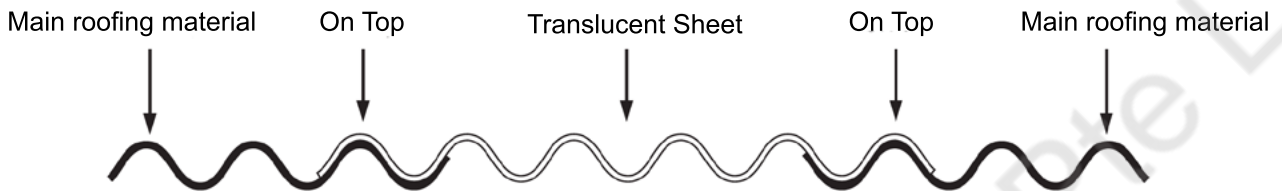
Note: All profiles should be supported at both edges.



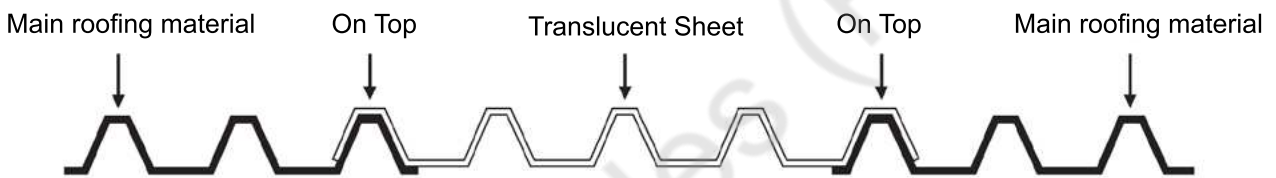


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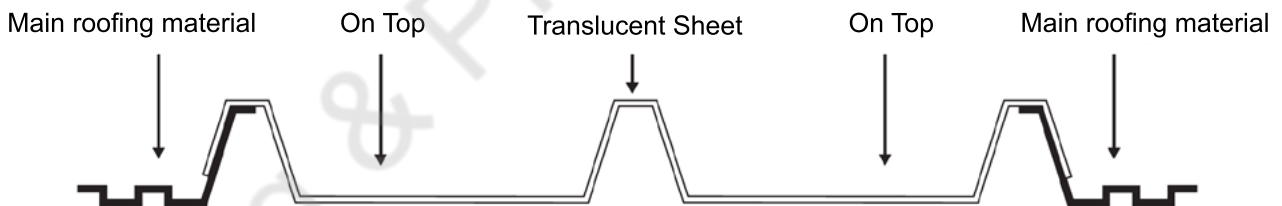
## Typical Corrugated Profile



## Typical 5 Rib Profile



## Typical 3 Rib Deck Profile



## Incorrect Installation

