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## Product Catalogue

# Insulated EPS Roof & Wall Panels



Aug 2020

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# INSULATED EPS ROOF & WALL PANELS

## What are insulated EPS roof & wall panels used for?

EPS roof panels are insulated roofing panels which incorporates roof, insulation and ceiling, making it a unique 3-in-1 roofing system. It provides an attractive, internal off-white coloured steel lining that is maintenance free.

EPS wall panels are insulated sandwich panels made up of two steel faces bonded to an expanded polystyrene insulating core. It's a unique light, cost-effective construction material used for both free standing and load bearing panels.

## Benefits of insulated EPS panels:

- ✓ Innovative "Seam Look" system eliminates unsightly joints
- ✓ Easy to install
- ✓ Each roof panel spans up to 5m long unsupported
- ✓ Ideal for patio enclosures and carports
- ✓ Easy cable access and safe electrical ducts
- ✓ Available in flatteck roofing profile

## Fixing Recommendations for Roof Panels

C Insulated roofing should be laid into the prevailing wind and sit neatly on the preceding roof sheet. For the insulated roofing profile fasten through each crest. Use cyclone caps and neoprene washers in all crest fixings. Fix side laps with 12 x 20 hex head screws with neoprene washers at approximately 1000mm centres, refer to below:

### Fixing to Steel

Crest fixing only - one fixing per crest

50mm panel - 14-10x115 hex head screw

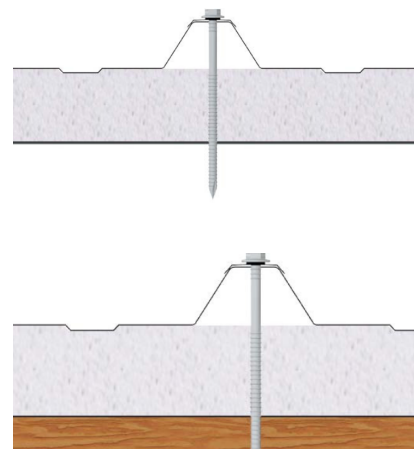
75mm panel - 14-10x135 hex head screw

### Fixing to Timber

Crest fixing only - one fixing per crest

50mm panel - 14-10x125 hex head screw

75mm panel - 14-10x150 hex head screw



## Roof Panels




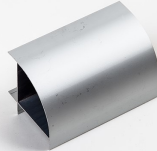

| Product Name            | Length                                       | Foam Density<br>Kg/m <sup>3</sup> | R value<br>m/Kw | Span      | Sheet Dimensions   | Available Colours |
|-------------------------|--|-----------------------------------|-----------------|-----------|--|-------------------|
| 50mm 1050mm Roof Panels | 3.8m<br>4.2m<br>4.8m<br>5.4m<br>6.0m<br>7.0m | 8.8kg/m <sup>3</sup>              | 1.39            | 3.5m - 4m | Top Sheet:<br>0.482mm Steel<br><br>Underskin:<br>0.482mm Steel | Surf Mist         |
| 75mm 1050mm Roof Panels | 3.8m<br>4.2m<br>4.8m<br>5.4m<br>6.0m<br>7.0m | 9.1kg/m <sup>3</sup>              | 2.09            | 4.5m - 5m | Top Sheet:<br>0.482mm Steel<br><br>Underskin:<br>0.482mm Steel | Surf Mist         |

## Wall Panels

| Product Name                                   | Length   | Foam Density<br>Kg/m <sup>3</sup> | Steel Face    | Available Colours |
|--|--|-----------------------------------|---------------|-------------------|
| 50mm 1200mm Wall Panels<br>(Coverage: 1150mm)  | 2.4m<br>2.7m<br>3.0m<br>3.6m<br>4.2m<br>4.8m<br>6.0m | 14kg/m <sup>3</sup>               | 0.376mm Steel | Surf Mist         |
| 75mm 1200mm Wall Panels<br>(Coverage: 1150mm)  | 2.4m<br>2.7m<br>3.0m<br>3.6m<br>4.2m<br>4.8m<br>6.0m | 14kg/m <sup>3</sup>               | 0.376mm Steel | Surf Mist         |
| 100mm 1200mm Wall Panels<br>(Coverage: 1150mm) | 2.7m<br>3.0m   | 14kg/m <sup>3</sup>               | 0.376mm Steel | Surf Mist         |

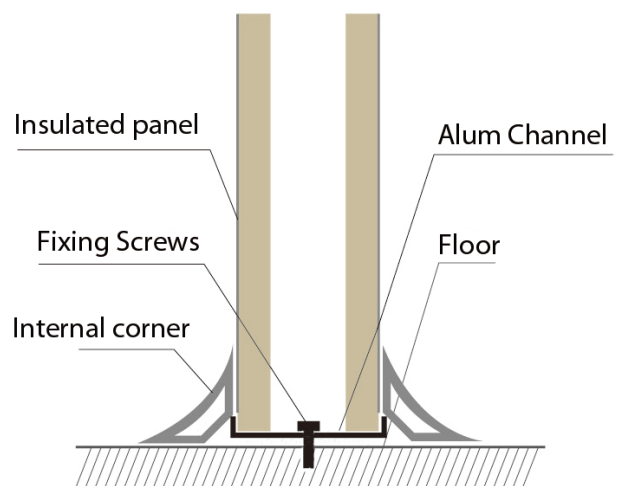
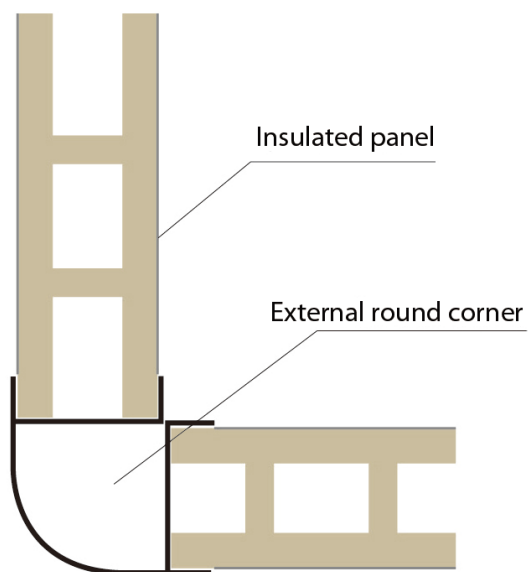
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# Accessories

| Product Name           | Length | Available Colours | Product Image   |
|------------------------|--------|-------------------|---|
| Aluminium Channel      | 6m     | Surf Mist         |    |
| Aluminium Window Frame | 6m     | Mill Finish       |    |
| Aluminium Door Jam     | 6m     | Mill Finish       |   |
| External Corner        | 6m     | Mill Finish       |  |
| Aluminium Angle        | 6m     | Mill Finish       |  |

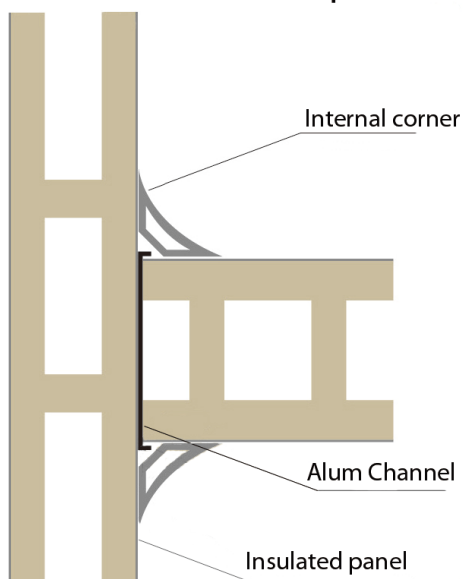
## INSTALLATION ADVICE

Corner of insulated wall panels connected by round external corner



Insulated wall panel and floor connection

T Connection between panels



Wall construction with existing wall

