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## Composite Cladding

**Composite Insulated Roofing & Wall Cladding** – These products are typically manufactured from a rigid urethane insulated core sandwiched between two thin profiled galvanised steel sheets finished in various types and grades of powder coat.

### Material Properties & Characteristics

Panels are weather resistant, impervious to rain and can cope with extreme climatic conditions;

Material is dimensionally stable and its properties are not affected due to rapid fluctuations temperature or humidity;

The surface colour is resistant to UV / Sun Light. Colour will not change significantly even under severe weather conditions and/or as a result of air pollution;

Cladding Panels are not susceptible to mould or rot;

Dependent manufacturer wall panels can be fixed Vertically & / or Horizontally

Panels are durable and easy to maintain.

Panels may not be suitable for high impact low level applications without additional impact protection being provided.

### Methods of Fixing

Dependent on manufacturer cladding panels can be face fixed with colour coded fixings or secret fixed through an overlapping design joint;

Cladding panels can be fixed back to secondary cladding rails or to the main structural steel frame dependent on the building design detail.

### Finish & Colours

Composite insulated panels come in a wide range of colour finishes with a variety of rib and trapezoidal profile face features available. For more detailed product information please visit the Kingspan website [click here](#)

### Panel Size and thickness

Composite panels can typically be purchased in standard plank widths of 1000mm and in lengths from 1,200mm to 12,000mm. Core thicknesses range from 40mm to 150mm.



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