

METAL CLADDING DESIGN AND INSTALLATION TECHNICAL GUIDES

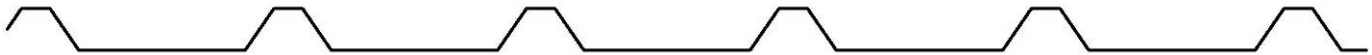
**GUIDE 001: SYSTEM TERMINOLOGY**

Due to the inherent flexibility of profiled sheeting there are many system variants possible. However, these metal cladding systems can be broken down into three main forms of construction:

- SINGLE SKIN
- BUILT UP TWIN SKIN
- COMPOSITE PANEL

**Single Skin**

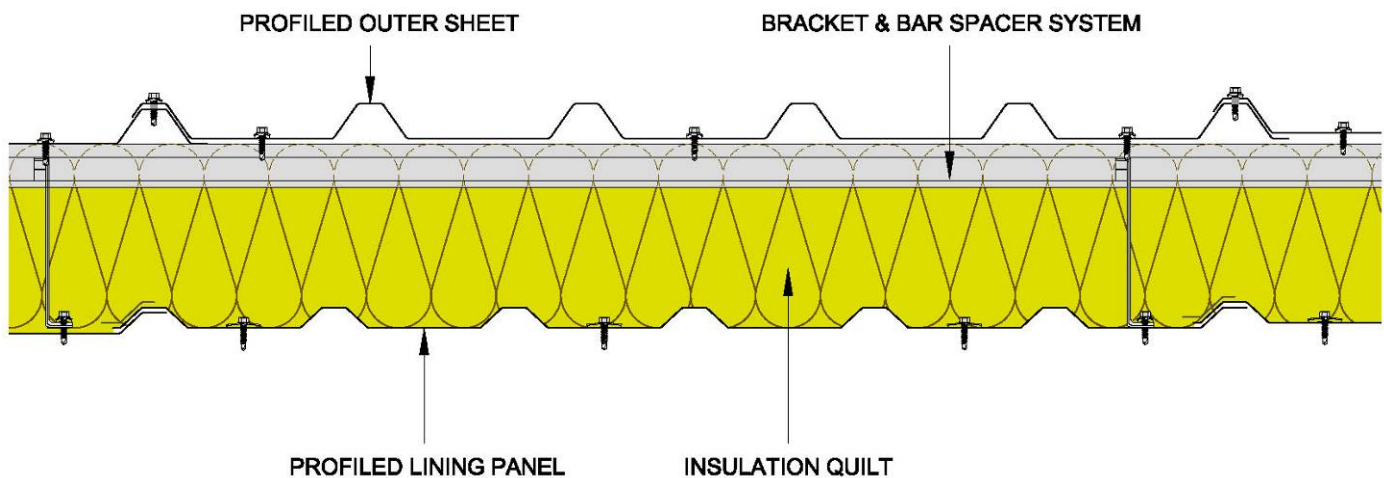
An un-insulated profiled weather sheet secured directly to the purlins or cladding rails.



**Built Up Twin Skin**

This popular form of construction offers complete design flexibility. Consisting of a shallow metal lining panel, a spacer system to allow the accommodation of insulation quilt and an external

weathering profile, this system type can be designed to meet a plethora of structural, thermal, acoustic and fire performance requirements.

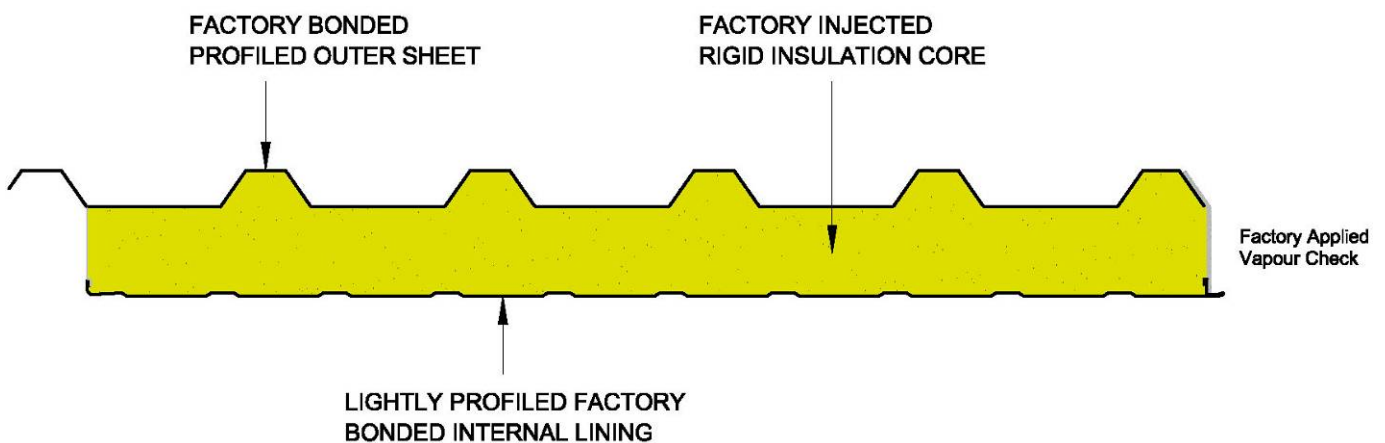


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Composite Panel

These panels combine a factory assembled, fully bonded integral lining, rigid insulation and weather sheet.

Composite panels offer fastrack installation with robust performance and whilst not as flexible as built up twin skin systems they have been designed to cater for the most common design scenarios.



COMPOSITE ROOF PANEL



COMPOSITE WALL PANEL