

## TECHNICAL SYSTEM SUMMARY

## Profiled Roof Overlay System

### OVERLAY SOLUTION

The Bauder Profiled Insulation Overlay System incorporates a bespoke expanded polystyrene (EPS) insulation board that is manufactured to match existing profiled metal roof coverings. This system includes a single ply waterproofing membrane to provide a long term, lightweight and durable solution. A comprehensive range of guarantees are available for this system.

#### Bauder Single Ply Membrane

Bauder Thermofol or Thermoplan membranes are suitable for installation with this system.

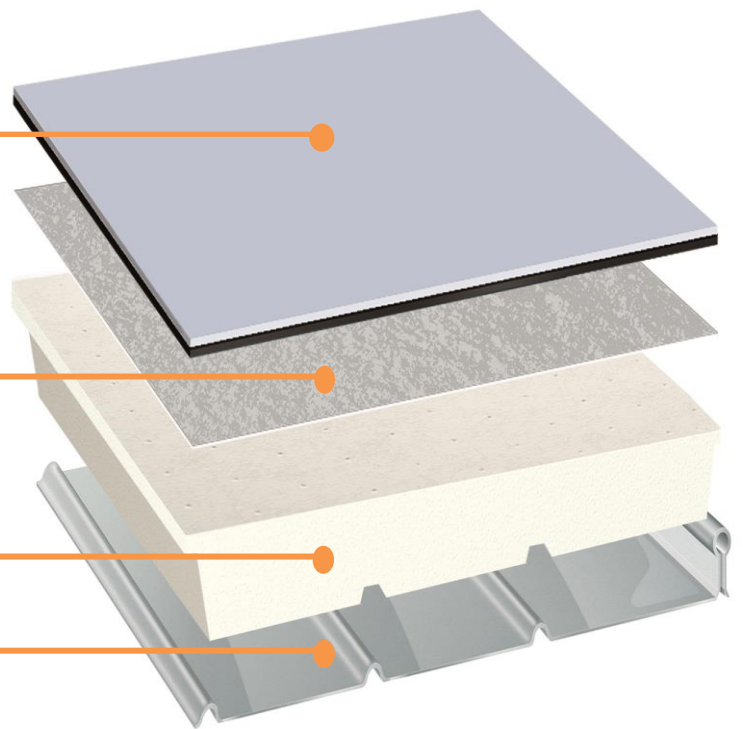
#### GV 120

Glass separation fleece used only when Thermofol PVC membrane is specified

#### Profiled EPS Insulation

Expanded polystyrene insulation cut and shaped to match the profile of the existing metal roof covering

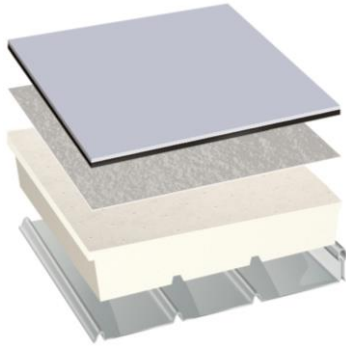
#### Existing Profiled Metal Roof



### When to Specify

Overlay solution for an existing profiled sheet metal roof where the building requires thermal upgrade without incurring the high cost of re-cladding to bring the construction up to current building regulation standards. Designed for refurbishment projects.

### Weight Loading



Product	Thickness (mm)	Weight (Kg/m <sup>2</sup> )
Thermofol U15 Membrane	1.5	1.92
GV 120 Separation Fleece	0.75	0.12
Profiled EPS Insulation	180	4.2
<b>Totals</b>	<b>182.25</b>	<b>6.24</b>

\* Example insulation thickness shown above, achieves a typical 'U' value of 0.18W/m<sup>2</sup>K. U-values are calculated using the average thickness of the profiled insulation board.