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Thermal Packaging Solutions

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**Technical Data Sheet For  
Thermal Pallet Covers**





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## Thermal Packaging Solutions

Our Thermal Pallet Covers are designed to keep temperature sensitive goods fresh and cold throughout the duration of the transit.

Products that are frequently used in our Thermal Pallet Covers are:

- Temperature Sensitive Foods
  - Pharmaceuticals
  - Liquids/Drinks
  - Cans and Bottles
  - Confectionary's

TPSolutions also have the option to include a Thermally Insulated Pallet Base to ensure a fully airtight seal for long-haul shipping and extra sensitive goods.

If these Pallet Covers are being reused we also have the option for a Velcro Seal System.



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## **ThermaPack Ultra Double**

Our most popular insulation solution consists of a high performance industrial bubble layer with entrapped air, on its outer surfaces are two highly reflective layers of aluminium coated with an ultra thin protective surface to protect the aluminium for the life of the product. This product is around 4mm thick and is equivalent to around 55mm of Polystyrene.



## **EcoQuilt Expert**

A Thermal Insulation blanket consisting of 6 layers of highly reflective foil, wadding and a PE Foam Membrane. This material is around 15mm in its open state and will compress down to just 6mm. At full compression this material is equivalent to around 75mm of Polystyrene.





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## Product Comparison

### Technical Data – ThermaPack Double

<b>Thickness</b>	3.7mm
<b>Outer Layers</b>	True Aluminium Foil
<b>Emissivity</b>	0.05
<b>R-Value (with x2 25mm Cavity's)</b>	1.455m <sup>2</sup> K/W
<b>Polystyrene Equivalence</b>	55mm
<b>Water Vapour Resistance</b>	600MNs/g

### Technical Data – EcoQuilt Expert

<b>Thickness</b>	15mm
<b>Outer Layers</b>	Reflective Met Pet
<b>Emissivity</b>	0.05
<b>R-Value (with x2 25mm Cavity's)</b>	2.27 <sup>2</sup> K/W
<b>Polystyrene Equivalence</b>	75mm
<b>Water Vapour Resistance</b>	800MNs/g