UNRIVALLED PROTECTION FOR THE TRANSPORTATION OF PHARMACEUTICALS
TLX Cargo is part of TLX Insulation Ltd, the world leading manufacturer of thin reflective insulation. As industry leaders, we’ve been setting standards of excellence in high performance building insulation for nearly 25 years. In the last 12 years, our technology has been applied to all kinds of projects ranging from the London 2012 Olympics to many historic and public buildings.

TLX Cargo cover systems are designed to minimise heat build-up in the most hostile environments. Using nano technology and convection inhibitors, our materials are waterproof and breathable, with high reflectance and exceptional thermal performance. The systems deliver 360 thermal protection without the risk of condensation and without the need for accessories such as tape and scissors. We are proud to offer unrivalled protection for valuable shipments.

We have three main products that give protection up to four, six or eight hours – the choice is yours. There is also a wrap available for complex shaped pallets.

As a UK science-based manufacturer of specialist insulation we are always at the end of the line if you need technical support. Just call our TLX Cargo hotline 01204 695 666.
TLX Cargo’s highest performing pallet cover gives the longest protection for goods being shipped between 15-25°C. The entire cover is waterproof and breathable removing the risk of condensation.

- **8hrs 48mins PROTECTION** (45°C ambient temp)
- **22mm BREATHABLE COVER** - Releases moisture and provides exceptional protection from extreme temperatures
- Waterproof
- 22mm bottom plate reflects the extreme heat generated at tarmac level
- Used for high value chemical and pharmaceutical shipments
- 1-2 minutes to fit, available in all standard pallet sizes from stock

**Test conditions: Ambient temperature 45°C with simulated tarmac temperature of 38°C and 20% mass of product**
TLX Cargo’s high performance pallet cover gives exceptional protection for goods being shipped between 15-25°C. The entire cover is waterproof and breathable removing the risk of condensation.

- **6hrs 23mins PROTECTION** (45°C ambient temp)
- **11mm BREATHABLE COVER** - Releases moisture and provides exceptional protection from extreme temperatures
- Waterproof
- 22mm bottom plate reflects the extreme heat generated at tarmac level
- Used for high value perishables, chemical and pharmaceutical shipments
- 1-2 minutes to fit, available in all standard pallet sizes from stock

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Designed to give 4 hours protection for goods being shipped between 15-25°C. The entire cover is waterproof and breathable removing the risk of condensation.

- **4hrs 34mins PROTECTION** (45°C ambient temp)
- **1mm BREATHABLE COVER** - Releases moisture and provides basic protection from extreme temperatures
- Waterproof
- 22mm bottom plate reflects the extreme heat generated at tarmac level
- Used for perishables, chemical and pharmaceutical shipments
- 1-2 minutes to fit, available in all standard pallet sizes from stock
TLX TEST PROTOCOL

Since the outcome of a test can be influenced disproportionately by the input temperature of the load, the start temperature of the chamber, control of the heat within the chamber and the temperature at which the load is tested, we have established the following protocol for all our testing.

1. Our test loads are at a mass of 20%. The test load is always the same.

2. The chamber is pre-heated to 45°C and the air circulated throughout the chamber by a fan.

3. Probes are placed throughout the heat chamber and pallet both inside and outside the cartons. The number of probes and their position is always the same.

4. Each load is pre-conditioned to 18°C (plus or minus 1°C).

5. There is a hot plate underneath the load to replicate tarmac temperatures.

6. Tests are repeated to ensure that the results are consistent.

7. Performance of the cover is measured at the first probe to exceed 25°C i.e. worst case scenario.

TLX Cargo test conditions: Ambient temperature 45°C with simulated tarmac temperature of 38°C and 20% mass of product

![Graph showing temperature increase over time for TLX Cargo tests with different durations and temperatures.](image-url)
If you would prefer to manually wrap your own cargo then TLX wrap is the answer. This high performance insulation gives exceptional protection against extreme environments. The rolls are easy to use and take up minimal storage space.

- **10hrs duration time** (45°C ambient temp)
- **1.2m x 10m and 1.5m x 10m rolls of 30mm high performance insulation.** Perfect for complex shaped pallets, allows the flexibility of wrapping your own pallets
- Used for high value chemical and pharmaceutical shipments
- 4-5 minutes to fit

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**TLX Wrap test conditions:** Ambient temperature 45°C with simulated tarmac temperature of 38°C and 20% mass of product

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**Made in Britain**

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