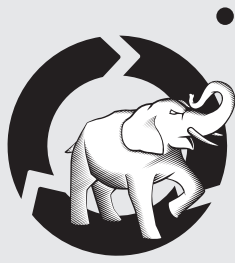


// Case study



ECEPLAST
SUSTAINABLE
PACKAGING INNOVATORS

INSULATING AND PROTECTING WINE AND BEVERAGES AGAINST TEMPERATURE EXCURSIONS.



Project highlights

- **Objective:** minimize temperature excursions along all the transport and storage phases
- **Drivers:** coating with premium Aluminum foil, full protective design, data collection and analysis.
- **Benefits:** avoid the use of reefer container, huge saving of transport costs, prevent breakages and damage of bottles and primary packaging, lower carbon footprint

The product

Thermal liner is a protective foil liner packaging device, easy to fit in standard or High Cube shipping containers. Our Thermal liner is designed to insulate and protect against radiation, heating, container rain and cargo sweat.

- Protect against heat
- Eliminate container rain
- Maximize dry container fleet
- Very simple and quick installation
- Protective barrier against potential contamination
- Reduce thermal shock from port to inland journey

**“UN” Sustainable
Developments Goals
2030**



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Main Challenges

Route Trace

From Rotterdam (NL)
to Dubai (UAE)



- **Transits:**
the combination of a long ocean transit, port traffic and drayage to final destination can make global shipping problematic, compromising the quality of the goods and their primary packaging.
- **Temperatures:**
whether shipping wine or beverages, canned fruits or other perishable goods, the climate variability affects the cargo with several dangerous conditions. The result is the serious risk of losing a big part of the goods or compromising quality and product appeal.

Date	Location	Container High Temp	Report
29 July 2019	Rotterdam NL	44°C	Container loaded
30 July 2019	Rotterdam NL	46°C	Container tendered to yard
30 July 2019	Rotterdam NL	47°C	Container loaded onto vessel
31 July 2019	Rotterdam NL	45°C	Vessel departed port 3:00pm
01 August 2019	OCEAN	42°C	Container on ocean
02 August 2019	OCEAN	52°C	Container on ocean
03 August 2019	OCEAN	48°C	Container on ocean
04 August 2019	OCEAN	47°C	Container on ocean
05 August 2019	OCEAN	46°C	Container on ocean
06 August 2019	OCEAN	45°C	Container on ocean
07 August 2019	OCEAN	45°C	Container on ocean
08 August 2019	OCEAN	43°C	Container on ocean
09 August 2019	OCEAN	47°C	Vessel arrived Dubai 11:00pm
10 August 2019	Dubai UAE	47°C	Container unloaded from vessel
11 August 2019	Dubai UAE	48°C	Container drayed to barge yard Dubai
12 August 2019	Dubai UAE	54°C	Sitting in Dubai. Barge yard
13 August 2019	Dubai UAE	52°C	Container picked up from Barge yard

