



Help Reduce Cost and Spoilage of Temperature Sensitive Cargo



DuPont

is a World Leader in Market-Driven Innovation and Science. With expertise spanning two centuries, diverse industries and more than 90 countries, the company is uniquely positioned to help solve some of the world's biggest challenges.



cargolux

Cargolux

is one of the leading cargo airlines worldwide, operating scheduled and charter services on a network covering all continents.

Watch a video of the AirCargo Cover in practice [here](#).

DuPont and Cargolux, both members of the CCA have jointly developed a new solution for transportation of temperature sensitive products like perishable and healthcare products.

Through various discussions and working groups in the CCA, both Cargolux and DuPont decided to collaborate on solution to better control the temperature, especially on the tarmac where goods are sometimes exposed to very high temperatures.

THE CHALLENGE

The distribution of temperature sensitive products like food, flowers or pharmaceutical and healthcare products, can be impacted by solar radiation.

Intensity of solar radiation depends upon time of day, latitude, altitude, season and degree of cloud cover.

High temperature is detrimental to food quality and chances of wastage increase, especially in tropical climates with much higher solar radiation.

THE GOAL

Through various discussions and working groups in the CCA, both Cargolux and DuPont decided to collaborate on a solution to better control the temperature, especially on the tarmac where goods are sometimes exposed to very high temperatures.

The objective of the team was an innovative cover that protects temperature sensitive goods against sunlight, temperature variations, rain

and theft and with pest or contamination control (liquids, dust, pollens, insects, bird droppings etc) as an additional benefit.

THE SOLUTION

Resulting from this joint effort, the Tyvek® AirCargo Cover represents an innovative breakthrough.

The blanket is made from high-density polyethylene (HDPE) and creates a unique balance of properties that is ideal for protecting sensitive cargo from extreme temperature variations.

The Cargolux KeepCool team tested the blanket in stations where temperature sensitive cargo is mostly vulnerable.

Positive results have prompted Cargolux to introduce the AirCargo Covers throughout its network for the benefit of its worldwide customers requiring additional protection for their temperature sensitive shipments.

The CCA is proud to have been a facilitator for this project.