



# MSC THERMAL LINER SOLUTION



MEDU 735780 0  
45G1

MAXGROSS	32,500 KGS
TARE	71,650 LBS
PAYLOAD	3,840 KGS
CUB.CAP.	8,470 LBS
	28,660 KGS
	63,180 LBS
	76.4 CUM
	2,700 CUFT

CAUTION  
HIGH TRAILER

CMC

MSCU 18028 R  
CN 2210

MSC

# WORLD LEADER IN SHIPPING & LOGISTICS

---

Founded by Captain Gianluigi Aponte, MSC Mediterranean Shipping Company (MSC) has been headquartered in Geneva, Switzerland, since 1978.

As a world leader in shipping and logistics, MSC operates in 155 countries across five continents, where we provide timely delivery of goods and services to local communities, customers and business partners.

Our international headquarters supervise a worldwide network of offices with each having responsibility for commercial and operational activities in their respective countries.

Over the years, MSC has invested in several initiatives, such as operational strategic alliances, and has further diversified its business-related activities.

We have seen exponential growth in terms of both volume and fleet capacity, and now serve millions of customers globally, with a 365-days-a-year operation.

Today, our focus remains true to our roots: building and retaining long-term trusted partnerships with customers of all size and scale.



# A NEW SOLUTION FOR SENSITIVE COMMODITIES

**MSC Thermal Liners** protect sensitive cargo against damage caused by temperature changes, moisture, condensation or contamination during transportation.

Made from a durable blend of aluminium and polyethylene, these insulated liners are specially designed bags that fit inside a 20' or 40' container.

They are ideal for commodities with a natural high moisture content, such as **cocoa** and **coffee beans**.

These products release moisture into the surrounding air, especially when there are fluctuations in temperature and humidity – leading to condensation, mould growth and spoilage.

To avoid any cargo damage and loss, it is important to maintain a stable environment inside the container throughout the transportation process.

At MSC, we understand the precision and sensitivity required for these commodities.

Our new MSC Thermal Liner solution **safeguards your cargo** and ensures that it arrives in the **best possible condition**.



Rice, pasta and noodles



Medicines, Non-food products and certain chemicals



Beans and pulses, e.g. cocoa beans, coffee beans, soybeans etc.



Powdered food, e.g. milk powder or flour



Canned food and beverages



Salt and Sugar



Corn



Tobacco



Dried fruit and nuts



Other foods, including cakes, chocolate, biscuits, chewing gum, soy sauce and wine

**DID YOU KNOW?** The temperature inside a container can fluctuate from -25°C to +60°C.

# HOW IT WORKS



## LINER INSTALLATION

Cargo is **loaded directly** into the MSC Thermal Liner, which covers every side of the container. Moisture absorbers are placed inside the thermal bag before stuffing to capture any moisture remnants. This ensures your goods never contact potential contaminants inside the container (e.g., pesticides, insects, odours, or past fumigations).



## STUFFING

MSC Thermal Liner provides a **layer of insulation** for your cargo. It is made from highly reflective, food-grade material that helps maintain a **stable temperature** inside the container, drastically reducing the risk of temperature fluctuations and condensation damage.



## SEALING

The MSC Thermal Liner offers **weather protection** by shielding commodities from direct exposure to different weather conditions including rain, sleet, snow and wind. This helps to maintain a consistent internal environment.



## VACUUM PROCESS

This vacuum-sealing process also creates an “air gap” between the container walls and the commodity, creating an extra layer of insulation and a **lower risk of condensation**.



## FINISH INSTALLATION

Our solution is equipped with a **special valve** that removes the air between the commodity and the thermal liner, eliminating a lot of moisture and helping to preserve the food.

# WHY CHOOSE MSC THERMAL LINER SOLUTION

## ✓ EASY

MSC Thermal Liner has an effortless and user-friendly installation and removal process. As an additional service, we can deliver the container with the thermal liner pre-installed.

## ✓ EFFECTIVE

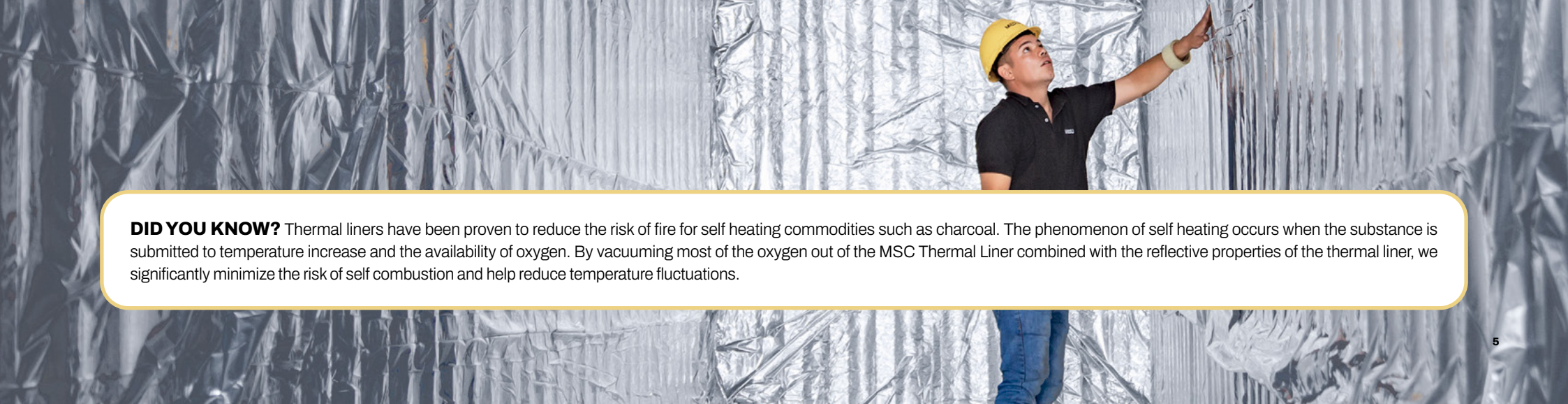
Our solution significantly reduces the risk of condensation and ensures that your commodities arrive at their final destination in optimal condition.

## ✓ SAFE

We specialize in keeping your cargo stable, safe and dry at all times, from pick-up to the final delivery.

## ✓ SUPPORTED BY EXPERTS

From presentation to purchase and from fitting to shipping, our dedicated team of experts at your local MSC agency will guide you every step of the way. When you choose MSC for thermal liners, you can also opt for our MSC Extended Protection (EPR) solution. This provides you with competitive pricing, comprehensive cargo protection against various inland and maritime risks, and expedited processing by a specialized team.



**DID YOU KNOW?** Thermal liners have been proven to reduce the risk of fire for self heating commodities such as charcoal. The phenomenon of self heating occurs when the substance is submitted to temperature increase and the availability of oxygen. By vacuuming most of the oxygen out of the MSC Thermal Liner combined with the reflective properties of the thermal liner, we significantly minimize the risk of self combustion and help reduce temperature fluctuations.

# GLOBAL SOLUTION, LOCAL EXPERTS

---

With unparalleled expertise in local markets and specialized industry knowledge, our experts in 155 countries are dedicated to delivering excellent service and equipment tailored to your unique needs.

**Please contact your local MSC agency for further information.**







**MOVING THE WORLD, TOGETHER.**



**[msc.com](https://www.msc.com)**