

Protect Your Cargo

Moisture Damage

The Cost of Water Damage

Millions of containers are shipping throughout the world every year. Out of those about 10% are discarded due to water damage.

In a sample size of 1 container carrying goods valued at \$25,000, the following percentages of water damage can result in a monetary loss of:

5%

(\$1,250)
Cargo Loss

10%

(\$2,500)
Cargo Loss

50%

(\$12,500)
Cargo Loss

How Moisture Gets In



Humidity from Loading Location

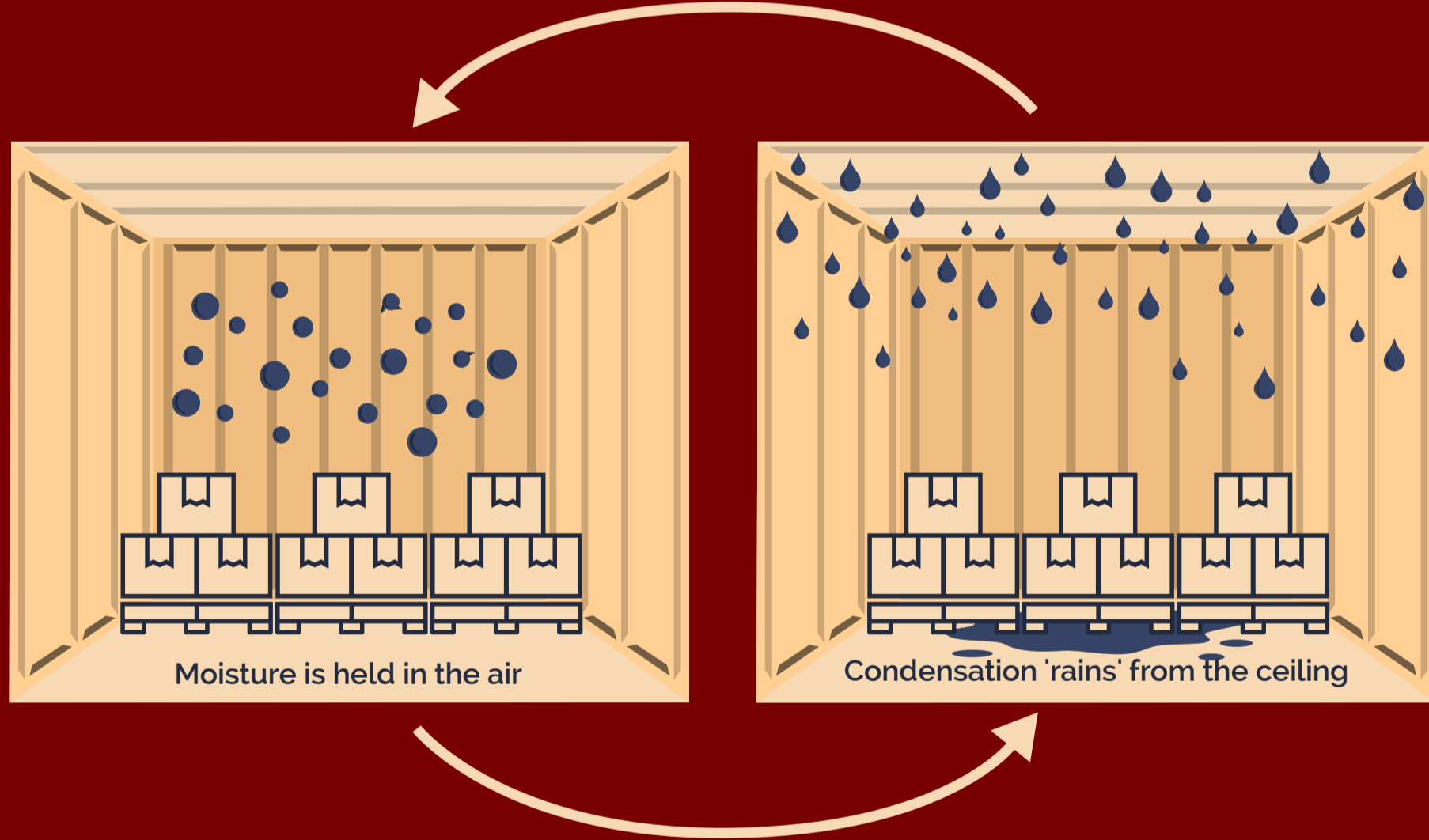
When goods are loaded in a tropical location the increased moisture in the air is held within the container and released as condensation as the freight moves through colder climates.

Temperature Changes En Route

As weather conditions fluctuate, the colder air is not able to hold the moisture accumulated during higher temperatures. As the moisture is released, condensation forms within the container resulting in container rain.

What is Container Rain?

Container rain, also known as container sweat, is the term used to describe the condensation that accumulates on the walls and ceiling of the container and then 'rains' down on the goods resulting in water damage.



How to Prevent Moisture Damage

Ventilation of the Shipping Container

Small weather-protected vents can decrease the amount of condensation within the container by releasing the excess moisture and allowing the container to "breathe" with the rise and fall of the exterior temperatures.

Dehumidifiers

Dehumidifiers work within the container to remove the moisture from the air. Some of these devices include an on/off switch that reacts to the amount of moisture in the air and saves energy.

Moisture Absorbing Poles

Moisture absorbing poles are non-mechanical devices that fit within the corrugated sidewall of the container. Salts inside absorb the moisture in the air and then 'dump' it into a gel that forms the tank of the pole.

Grafotherm

Grafotherm is a non-condensation coating applied to the ceiling and six interior sides of the container that can also retain some moisture within its structure.

Container Lining

Container linings can help regulate the temperature within the container to reduce the extreme changes undergone through the supply chain.

Don't get lost in the process, make sure you are informed on the latest updates to remain compliant with Customs. TRG is proud to be your source for industry news and updates. We know the process of importing in the United States can be confusing, so let us make it easier.

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