

# Container Dri® II

**Container Dri® II eliminates corrosion, mildew, peeling labels, and other harmful effects of moisture related damage during shipping and storage**

## What is Container Dri® II?

Container Dri® II is the new generation of transport protection for the reduction of dew point and control of condensation. Container Dri® II helps keep the dew point temperature below the actual temperature, even when the actual temperature drops within the shipping container due to day-to-night temperature fluctuations. If a shipping container is loaded during the day with temperatures above 90° F and the relative humidity is above 90% RH, then the possibility of condensation occurring is substantial when the temperature begins to drop. Container Dri® II's innovative design allows water vapor to easily enter the interior of the bag, where it is transformed into a thick gel and will not leak or escape.

Subject to various U.S. and Foreign Patents including  
U.S. Patents 5,743,942; 5,935,304; 6,217,701

## Usage Requirements

Generally, 32 bags are recommended for 20-foot shipping containers, and 64 bags for 40-foot containers, though the number may vary depending on shipping conditions. Poly Lam Products works with customers to determine the optimal number of bags of Container Dri II to protect products for the duration of their journey. Bags are placed print side up on top of cargo or on the floor of the container.

## Glossary of Terms

**Relative Humidity** - Related to the amount of water vapor suspended or "held" in the air.

**Dew Point** - The point at which condensation begins to form as a liquid or ice on the surface of an object.

**Dew Point Temperature** - The temperature at which water vapor in the atmosphere begins to condense onto a surface forming liquid water or ice.

*Condensation will occur if the surface temperature of an object is equal or lower than the Dew Point Temperature. If the Relative Humidity is lowered, the Dew Point Temperature is also lowered.*

## Container Dri® II is available in the following configurations:

- 50-gram and 125-gram individual bags
- Container Dri® II Strip™ (Six 125-gram bags in a continuous strip)

*\*Also available with adhesive back*

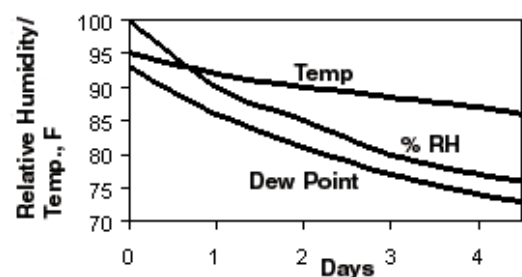


## Performance

1. At 90% RH @ 25° C the absorption capacity of each bag will be approximately 280% of its weight.
2. Continues to reduce the relative humidity down to levels below 40% RH, which decreases the dew point temperature even further.
3. Has the ability to protect shipments from start to finish, through all temperature ranges and relative humidity variances.
4. Completely safe, non-toxic materials. Container Dri® II may be disposed with regular waste.

## Performance Results

### Container Dri II Dew Point Control Starting at 90 deg F and 90% RH



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## Typical Applications:

- Automotive
- Food
- Powders
- Glass
- Packaged Tools
- Bulk Packaged grains and milled products
- Bagged or canned pet foods
- Paints and varnishes
- Canned fruits and vegetables