

## Product Profile:

# Container Dri<sup>®</sup> II

Container Dri<sup>®</sup> II eliminates mold, corrosion, mildew, peeling labels, and other harmful effects of moisture related damage during shipping and storage without generating liquid water

## What is Container Dri<sup>®</sup> II?

Container Dri II is the new generation of transport protection for the reduction of dew point and control of condensation. *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, escape, or spill.*

If a shipping container is loaded during high temperatures and the Relative Humidity is above 80%, then the possibility of condensation occurring is substantial when the temperature begins to drop. 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 temperature fluctuations. **Dew Point Temperature** is the temperature at which water vapor begins to condense onto a surface forming liquid water. The liquid water that results inside a container is called "**Container Rain.**" Container Rain will occur if the surface temperature of an object is equal or lower than the Dew Point Temperature. If the Relative Humidity is lowered with the absorbing properties of Container Dri II, the Dew Point Temperature is also lowered, stopping Container Rain.



## Typical Applications:

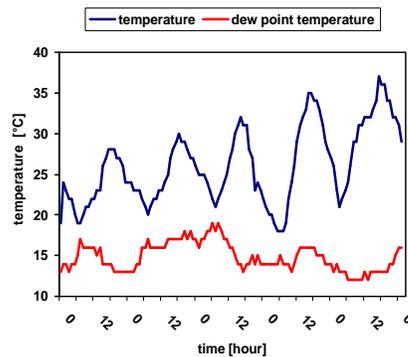
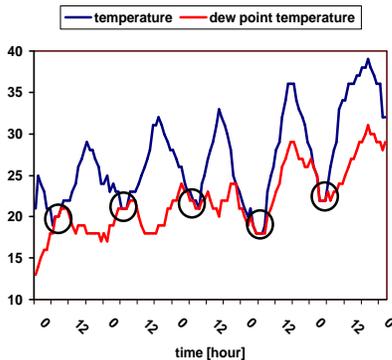
- Automotive
- Food
- Powders
- Glass
- Wood
- Coffee beans, bulk packaged grains, and milled products
- Pet foods
- Paints and varnishes
- Canned goods

### Without Container Dri II

Condensation occurs when surface temperature and Dew Point Temperature are equal.

### With Container Dri II

Dew Point Temperature is kept below temperature, preventing condensation.



## 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.

## Usage Requirements

Generally, 32 125-gram bags are recommended for 20-foot shipping containers, and 64 bags for 40-foot containers, though the number may vary depending on shipping conditions and the nature of the products being protected. Süd-Chemie Performance Packaging 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 with cargo print-side-up or adhered to the sides of the container.

Container Dri<sup>®</sup> II is subject to various U.S. and Foreign Patents including U.S. Patents 5,743,942; 5,935,304; 6,217,701

\*All statements, technical information, and recommendations are based on tests we believe to be reliable.

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Creating Performance Technology



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

- **50-gram and 125-gram individual bags** – individual bags can easily be placed throughout cargo, on top of products or between pallets for consistent protection. Available with adhesive and non-adhesive back.



- **Container Dri® II Strip™** (Six 125-gram bags in a continuous strip) – configured in a strip with adhesive back to fit between grooves of shipping container walls. Container Dri II Strip is easy-to-handle and avoids accidental damage from forklifts.

