

PRODUCT DATA SHEET

CONT PACK PLUS®

Description and Uses

CONT PACK PLUS is a specially modified product for the protection of containers over a long period of time during shipping against the bad effects of humidity.

Cont Pack Plus is produced from a special mixture of polymers and Calcium Chloride in order to be used for a long period of time.

Calcium Chloride absorbs rapidly and continuously the water vapor in the air and transfer the liquid to the Polymers therefore the water is absorbed finally by the polymers and the polymers swells and keeps the water in its structure. This is a continuous process and this process keeps your material protected for a very long period of time by preventing container rain.

Cont Pack Plus can be produced in 125, 190, 380 and 760 grams and in different combinations such as 2, 3, 4 and 6 strips etc. of these products with or without a hanger.

Dew Point - Container Rain Relation

For the materials carried in containers, due to the temperature differences in different parts of the world and the relative humidity changes over the sea, the container rain is unpreventable even if the containers air flow is open.

When container rain happens, either the goods carried in the container is damaged with water or the packing of the goods are damaged it's unpreventable to have it claimed from your receivers.

Dew point is the limit value of the air for the highest concentration of water vapor that can be held in the air for certain temperatures and relative humidity values.

Dew Point is directly in relation with the relative humidity and temperature therefore due to the changes of these two parameters during shipping, the dew point may be reached and exceeded which causes so called container rain.

The use of Cont Pack Plus continuously keeps the relative humidity and temperature at a stable ratio, therefore the dew point is never reached in the container by the use of Cont Pack Plus. The continuous humidity absorption characteristic of Cont Pack Plus eliminates the risk of container rain.



Product Advantages

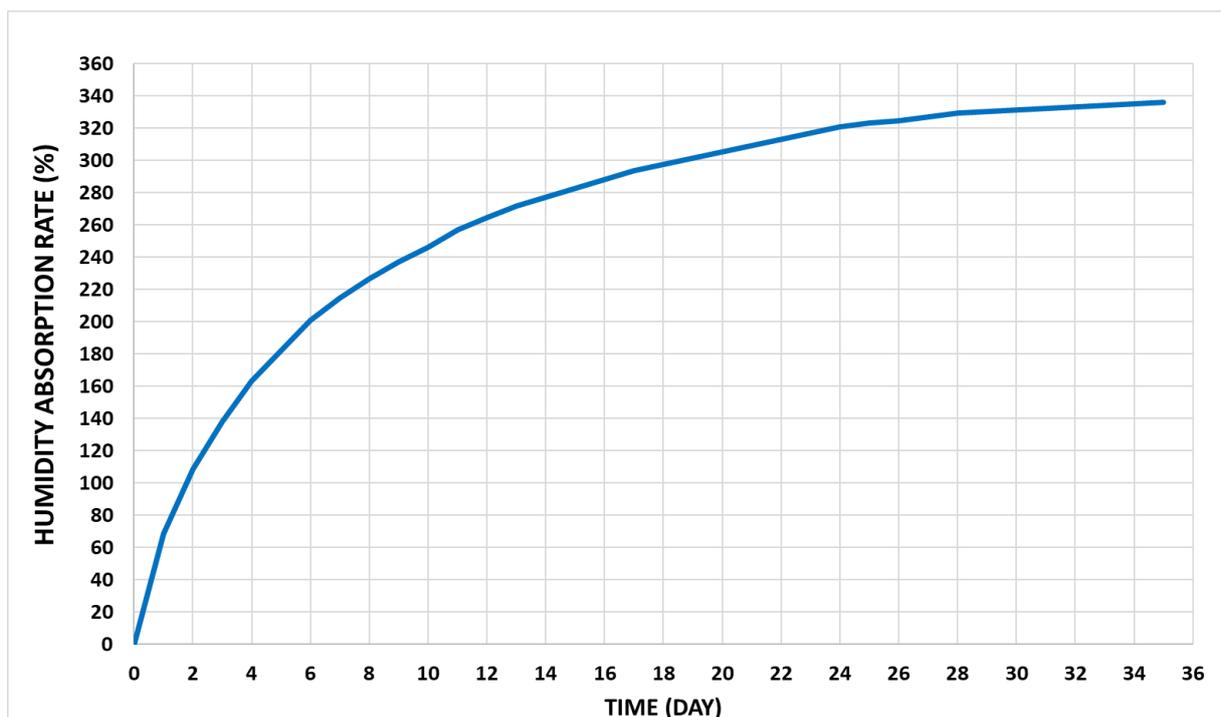
- It provides high efficiency protection from the harmful effects of moisture that will directly affect the product quality when shipping or storing your products.
- Prevents container rain caused by condensation of moisture resulting from day and night temperature differences.
- Cardboard parcels, pallets, etc. It prevents all kinds of moisture, mold and odor problems by absorbing the excess moisture found in wood-based materials and left in the container.
- While providing a dry and healthy shipping environment, it protects your products and creates a strong sense of trust in your customer.

Product Properties

- Tyvek is a specially produced material which is a breathable patented product and which will never give out there collected water by leakage.
- Due to the strong characteristics of the packing material and the special sealing made, the packages are able to carry more than 335% of their initial weight without and leakage or tearing.
- Cont Pack Plus product, with one-way air permeability feature Tyvek packaging and thanks to its special formulation, it is designed to convert liquid to the gel.
- The requested printing type can be applied on Cont Pack Plus packages.
- With its hanging options, it can be easily applied especially to the hangers in the container.

Humidity Absorption Performance

The polymer/CaCl₂ mixture is specially designed to adsorb up to 335% of its weight over a period of 60 or more days in high relative humidity values and keep the water in the structure by the special absorbents.



These values taken from 90%RH and 35oC test conditions and may change different temperature and relative humidity rate.

Application Amount

- For 20 feet container : 10-15 pieces 380 grams of Cont Pack Plus packages
- For 40 feet container : 20-25 pieces 380 grams of Cont Pack Plus packages

Note: It may vary depending on the amount of moisture-releasing materials such as wooden pallets in the container.

For other Cont Pack Plus products, the quantity is calculated based on our 380-gram Cont Pack Plus product.

Application Method

- The printed surface of the Cont Pack Plus product should not be covered and the printed surface should be positioned so that it comes outside.
- Cont Pack Plus product should not be contacted with sharp objects, or it should not be compressed or crushed by heavy objects such as pallets.
- For the Cont Pack Plus product to work effectively, container vents must be closed.

Packing

Our Cont Pack Plus products with or without hanger in different weights are available for use by our customers, packed in airtight bags.

Please contact your DESI CHEM representative in order to decide how much Cont Pack Plus to use for the protection of your values.

Transport and Handling

Cont Pack Plus products should be kept always in airtight medium in order to avoid and prevent water vapor absorption of the product.

General Notes:

The information in these publications reflects our own average findings and comments for our products however the use of the product may vary according to the field of application and the buyer is solely responsible for the application, use and reprocessing of the material.