

Topdry Blanket

TECHNICAL PRODUCT SHEET



Installation Instructions

Topdry Blanket is a container desiccant with larger absorbing surface and stronger absorption capacity compare to Topdry Hanging. It is very easy to install on the top of pallets before those are loaded into the container or on the top of the bags or sacks with adhesive pads to keep it securely in place while loading your products.

The absorbing agent of Topdry Blanket is a mixture of Calcium Chloride (CaCl_2) and edible starch. Topdry Blanket will absorb the moisture from the surrounding air once it's removed from its transparent sealed PE-bag.

The calcium chloride absorbs moisture from the air passing in through waterproof and breathable membrane. The liquid CaCl_2 turns into a gel by the starch that will not leak. It can attract over 3 times its own weight in water when it's fully maximized.

Topdry Blanket is especially suitable when the cargo is tightly packed close to the container ceiling and walls. Topdry Blanket is also the optimal product for wet goods or ultimate long voyage, because it contains more absorbing agent. Topdry Blanket only needs a 30 mm space between the cargo and the container ceiling. Topdry Blanket is also suitable for reefer containers and trailers that do not have lashing rings for hanging desiccants.

Topdry Blanket delivers both exceptional moisture absorption and long-lasting performance for any type of cargo, even under the longest global shipping routes.

Main features

DESICCANT TYPE	CONTAINER DESICCANT
TYPES AVAILABLE	2.0 kg
ABSORBING AGENT	CALCIUM CHLORIDE WITH A PURITY OF >94% MIXED WITH STARCH
MOISTURE ABSORPTION	> 300% UNDER FIELD CONDITIONS*
PERMEABLE MATERIAL	PE-PP
INSTALLATION MODE	HORIZONTAL
ACCESSORIES NEEDED	NO

* THIS TEST RESULT WAS BASED ON THE CONDITION OF RH90%, 30 °C IN A CLIMATE CHAMBER AT TOPDRY'S LAB. GENERALLY, FOR THE SAME MATERIALS, ABSORPTION CAPACITY WAS DEPENDED ON THE TEMPERATURE, RELATIVE HUMIDITY AND TIME.

Installation example



Shelf Life and Conditions

The shelf life of this product is three years from the production date printed on the packaging label.

Recommended storage temperature: 5 °C to 25 °C

Access to the Safety Data Sheet



Read or click the code to access the SDS with technical and regulatory information.



Product specifications

NAME DESCRIPTION	TOPDRY BLANKET
MODEL	B2000
DESICCANT AGENT	CALCIUM CHLORIDE >94% AND EDIBLE STARCH
DESICCANT AGENT WEIGHT	2.0 kg
COUNTRY OF ORIGIN	CHINA
PACKAGING MATERIAL	INNER:PE-PP, OUTER: NON-WOVEN
PACKAGING CONFIGURATION	ONE PIECE SEALED IN ONE PE BAG
INSTALLATION	HORIZONTAL
PACKAGING INFORMATION	
CARTON	
INNER PCS	1
PCS/CTN	7
CARTON GROSS WEIGHT (kg)	15.6
DIM L × W × H (mm)	440 × 290 × 250
PALLET	
PCS/PALLET	448
PALLETS GROSS WEIGHT (kg)	1017
DIM L × W × H (mm)	1040 × 1040 × 2120

Dimensions



Materials



- Edible Starch
- Calcium Chloride
- Inner permeable: PE-PP
- Outer: Non-woven

Warning

Topdry Blanket can't work well or broken when it would be faced with puncturing, squeezing or impacting by the cargo. Topdry Blanket also would be damaged with an dropped if it's not been fastened on.

Disposal

Topdry Blanket is intended for single use. To minimize the environmental impact, we recommend the following procedure for disposal of the used desiccant. Product dispose to approved waste disposal facility in accordance with local regulations. Calcium chloride is classified as Hazardous Substance according to statement H319 in GHS standard (Causes serious eye Irritation) and might therefore be classified as Hazardous waste and should be handled accordingly.

Identification and Classification Report for Transport

Topdry Blanket is not subject to IMDG Code (2024 Edition) and IATA Dangerous Goods Regulations (DGR) (65th Edition).

Suggested Usage

Check if there is damage with the containers and seal all the ventilating holes before loading. The units needed will vary depending on cargo type, shipment time, kinds of packing, Packaging materials. Contact us for further information.

CONTAINER SIZE	20 ft	40 ft
SHORT DISTANCE ~ 30 DAYS		
DRY GOODS	2~3	4~5
WET GOODS	3~4	5~6
LONG DISTANCE ~ 60 DAYS		
DRY GOODS	4	6
WET GOODS	5	7~8

Contact and Operational Temperature

Stock availability may vary between Topdry regions. Contact Topdry or Topdry Partners for the details. Suggested operational temperature: -20 °C ~ 70 °C.

※The product outlines, configurations and specifications, etc., may face certain changes due to constant product renewing, upgrading or modification by Topdry without prior notice. This instruction of the product is just for reference and do not constitute any offer or commitment.

Please purchase the product based on the actual product displayed or sold at dealer's place and use the product abiding by your local relative laws and regulations. All the data on performance shown on this instruction are in-house testing results, and we reserve the right to alter them due to program errors, etc.



LEARN MORE AT [TOPDRYER.COM](https://www.topdryer.com)

Every year more than 700 million containers (TEU) are shipped by sea and it is estimated that the cargoes in 12% of these are in danger of being damaged by humidity. As a result, manufacturers, shipping lines and customers lose billions of dollars every year. Topdry helps you conquer humidity problems during transport. Since 2005, we have been offering a wide range of industrial developed and produced desiccants made from calcium chloride. Our promise is to control the moisture, prevent condensation, protect your products, make cost savings and lower the environmental footprint of your logistics processes.