

# Topdry Sachet/Window

TECHNICAL PRODUCT SHEET



Topdry Sachet - 50 g

## Installation Instructions

Topdry Sachets/Windows are made with a mix that contains calcium chloride and edible starch. It is well-known that calcium chloride is highly effective, and one of the most hygroscopic materials, when it comes to absorbing moisture from the air. The calcium chloride absorbs moisture from the air passing in through waterproof and breathable membrane. The liquid  $\text{CaCl}_2$  turns into a gel by the starch that will not leak. Topdry Sachets/Windows deliver exceptional moisture damage prevention inside a smaller closed packaging like a poly bag, a box, a carton, a crate or a pallet.

Topdry Sachets/Windows are intended to control the moisture in a wide range of cargoes including packaging garments and shoes, furniture, optical instruments, automotive parts, digital products, electronic components, artwares, etc.. It can protect your products from mould, rust, deformation, stains, mildew, softening and so on.

Topdry Sachet/Window will absorb the moisture as soon as it's removed from its transparent sealed PE-bag.

Typically, Topdry Sachets are engineered for use in inside packaging, since the moisture mainly comes from the goods.

Whereas if absorbing the moisture in extra large packaging boxes or some products and related ancillary materials are high in moisture content, then large packaging desiccants should be used in this case the Topdry Window is recommended.

## Main features

DESICCANT TYPE	IN-BOX DESICCANT
TYPES AVAILABLE	10 g ~ 1 Kg *
ABSORBING AGENT	CALCIUM CHLORIDE MIXED WITH EDIBLE STARCH
MOISTURE ABSORPTION	> 300% UNDER FIELD CONDITIONS*
PERMEABLE MATERIAL	PE-PP
INSTALLATION MODE	IN-BOX

- TOPDRY SACHETS: 10 G, 50 G, 100 G AND 125 G  
TOPDRY WINDOWS: 0.4 KG, 0.6 KG, 0.8 KG, 1.0 KG AND 12 KG,  
\* 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.



Topdry Sachet - 10 g



Topdry Window - 500 g

# Product specifications

NAME DESCRIPTION	TOPDRY SACHET		TOPDRY WINDOW
MODEL	S10	S50	W500
DESICCANT AGENT	CALCIUM CHLORIDE + EDIBLE STARCH		
DESICCANT AGENT WEIGHT	10 g	50 g	500 g
COUNTRY OF ORIGIN	CHINA		
PACKAGING MATERIAL	INNER: WATERPROOF AND BREATHABLE MEMBRANE, OUTER: NON-WOVEN		
PACKAGING CONFIGURATION	INNER BAGS / CARTON		
<b>PACKAGING INFORMATION</b>			
<b>CARTON SIZE (MM)</b>			
Product Size (mm)	100 x 100 x 5	120 x 140 x 10	320 x 400 x 20
INNER POLYBAG PCS	40	10	1
PCS/CTN	500	280	30
CARTON GROSS WEIGHT (kg)	8	15.8	15.7
DIM L × W × H (mm)	440 × 290 × 250		
<b>PALLET</b>			
PCS/PALLET	32000	17920	1920
PALLETS GROSS WEIGHT (kg)	531	1030	1044
DIM L × W × H (mm)	1040 × 1040 × 2120		

## Dimensions & Figure



## Materials



Modified Starch

Calcium Chloride

Inner permeable: PE-PP

Outer: Non-woven

## Access to the Safety Data Sheet



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

## Warning

Topdry desiccants can't work well or broken when it would be faced with puncturing, squeezing or impacting by the cargo.

## Disposal

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

## 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.

## Suggested Usage

Topdry Sachets/Windows will perform better at a sealed packaging.

The units needed will vary depending on various factors such as shipment time, climate conditions, air volume in the box, type of packaging used and type of goods. Contact us for further information.

Package Volume		Minimum Weight of Needed (g)	Suggested Usage	Application Examples
Cubic Inches	Cubic Meters			
Up to 5000	Up to 0.082	10	10g (1 piece)	Polybag / Duffel Shoe box
Up to 15000	Up to 0.246	50	50g (1 piece)	Sofa / Mattress Cardboard box
Up to 65000	Up to 1.066	250	250g (1 piece)	crates / Pallet



LEARN MORE AT [TOPDRYER.COM](http://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.