

# ZORB-IT

## PROFESSIONAL MOISTURE CONTROL



DMF FREE  
NATURAL ABSORBANTS  
EASILY DISPOSABLE  
FAST ACTING  
PACKED IN TYVEK BY DUPONT  
ROHS & REACH COMPLIANT

[WWW.ZORBITUSA.COM](http://WWW.ZORBITUSA.COM)

# The Green Story ....

Zorb-It is the new generation, natural and environmentally friendly type desiccant. It is regarded as a natural absorbing agent activated with a hygroscopic agent. It has characteristics of being non-toxic, free from pollution, Dimethyl Fumarate free, decomposes naturally and can be disposed off easily. Compared with synthetic and infamous desiccants, its ability of absorption and retention of moisture is more powerful, especially in a wide temperature range and high relative humidity environment.

## How Zorb-It Works ?

Zorb-it desiccants are specially formulated dehumidifiers to control the relative humidity in the enclosed packaging system where damp environments can cause problems. These work by absorbing humidity from the surrounding atmosphere and entrapping within the Zorb-it Packets in a way that it is not released back easily into the atmosphere.

The absorption of humidity lowers the dew-point which prevents condensation of moisture within the packaging and keeps it either in vapour form or absorbed within the Zorb-It Packet.



## Moisture Problems

The issues caused by excessive moisture can be corrosion in metallic and automotive components during storage and exports, fungal developments in textiles and garments, circuitry issues in electronic goods, mold development in leather goods, dampness in pharmaceutical products, warping in furniture and wood industry and tarnishing of brass, copper and silver.



## Container Breathing & Container Rain

Due to the changes in temperature and volume of air, the moisture is sucked into the boxes, shipping containers etc by the process of container breathing. This moisture then condenses onto the components or products resulting in container rain and cause corrosion mildew, mold, dampness, warping etc and causes detrimental effect on the articles packed.

Zorb-it helps in adsorption and retention of this moisture within the desiccant bag.



# ZORB-IT CLAY DESICCANTS

## Product Description

Zorb-it clay desiccants are formulated using activated, high adsorption, natural clays which are packed in a Tyvek Membrane from DuPont.

The Tyvek membrane is highly breathable, non dusting membrane that allows selective inward movement of moisture and after converting this moisture to water droplets and absorption it is not released out.

These clay pouches can be used to protect metal components, textiles, leathers, garments, chemicals etc.



## Sizes & Variants

### 5 Gallon Pails

Tyvek Model No.	Unit Size units	Weight Grams	Bag Size WXL inches	Protects Cu ft	Bags/Container Numbers	Lbs/Container Lbs	kg/container kg
Z 5	1/6	5	1"X2.5"	0.14	1200	24	10.9
Z10	1/3	10	1"X3.5"	0.28	700	25	11.4
Z15	1/2	15	3"X3"	0.42	550	27	12.3
Z30	1	30	3"X4"	0.83	300	27	12.3
Z60	2	60	3"X6"	1.67	150	27	12.3

### 34 Gallon Drums

Tyvek Model No.	Unit Size units	Weight Grams	Bag Size WXL inches	Protects Cu ft	Bags/Container Numbers	Lbs/Container Lbs	kg/container kg
Z30Drum	1	30	3"X4"	0.83	1300	114	51.8
Z60Drum	2	60	3"X6"	1.67	800	136	61.8
Z120	4	120	5"X5.5"	3.33	500	162	73.6
Z240	8	240	5"X8"	6.67	300	193	87.7
Z480	16	480	5.5"X10"	13.33	150	189	85.9
Z960	32	960	5.5"X20"	26.66	75	190	86.4

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DIN 55473/MIL 3464 E COMPLIANT



# ZORB-IT CONTAINER GELS

## Product Description

Zorb-It Container Gel is the most effective moisture absorber with highest absorption capacity of 325% W/w without releasing water.

Zorbit Container Gel reduces the chances of container rain, which occurs due to condensation of water on container and then dripping on the packaged goods.

This is formulated using a unique desiccant formulated with a super absorbent gelling agent. The absorbed moisture is immediately converted into a gel and the water gets entrapped within the pouch without dripping or leaking out of the pouch.

The moisture absorption process is rapid and continuous due to the specialised chemicals, which absorb moisture at all humidity ranges.

This product is ideal for exports of coffee, cocoa, soyabean, rice, wheat or other grains, garments, lumber, furniture, electronics, steel, chemicals etc.

This also complies to the new FCC guidelines for shipment of cocoa beans in containers.



Container Gel Pouch

Container Gel Pole



## Sizes & Variants

Zorbit Container Gel	Hanger	Weight	Bag Size	Protects	Pcs/Carton	kg/carton
Model No.		Grams	WXL inches	Cu ft	Numbers	kg
Zorbit Gel Pouch 125	No	125	5"X6"	10	100	12.5
Zorbit Gel Pouch 250	No	250	5"X10"	20	50	12.5
Zorbit Gel Pole 500	Yes	500	5"X20"	40	25	12.5
Zorbit Gel Pole 750	Yes	750	5"X30"	60	15	11.25
Zorbit Gel Pole 1000	Yes	1000	5"X40"	80	10	10
Zorbit Gel Pole 1500	Yes	1500	5"X60"	120	6	9

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# CONTAINER RAIN CONTROLLER



Zorb-It Container Rain Controller is a high performance moisture absorption device installed in the containers to absorb moisture and prevent container rain.

The container rain controller comes in a special box which houses the absorbant gels that absorb moisture and reduce condensation on the walls, ceiling as well as absorption by the goods being shipped, therefore protecting the goods being shipped.

The absorption is 350% to its weight and provides far better protection than the generic moisture absorbers to metals, wood, food products, chemicals etc. from getting damaged due to moisture effects. The device can be hung vertically or horizontally in the container with the help of dual hooks behind the desiccant box. The ingredients of the absober are natural and can be disposed naturally in land fills. The product is a highly effective container rain controller.



Horizontal Hanging



Vertical Hanging



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