

Tackle Moisture Problems Head On

Protection Experts Australia's desiccants, provide a variety of solutions to protect goods from damage caused by moisture. You can rely on our knowledge and expertise to provide a desiccant solution to win the battle with the elements.

SHIPPING/CONTAINER DESICCANTS

Millions of containers are shipped throughout the world every year. Out of those about 10% are discarded due to water damage. Those costs can be staggering.

Our desiccant range are a highly effective, low cost solution to prevent moisture damage, container rain, rust and mould growth. This can cost your business thousands of dollars in damaged goods and puts your reputation on the line.



PACKAGING DESICCANTS

Our Esorb packaging desiccant range come in a variety of sizes and use different active absorbents and packaging material to meet a myriad of needs. Clay desiccants, silica gel, mineral desiccants and oxygen absorbers, we've got just what you need!



SELF-INDICATING SILICA GEL

Silica Gel that changes colour to indicate when it has been spent. We offer orange and blue gel in 0.6g and 1.2g pouches or save big with our 25kg bulk drum.

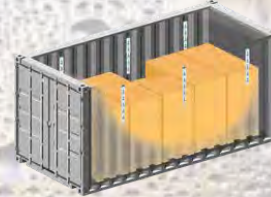


Desiccants - protecting your goods from moisture damage 24/7

SHIPPING DESICCANT UNITS RECOMMENDED

Pro-Ex Gel®, Dry Pole ®

Container Size	Dry Cargo	Moist Cargo
20"	4 - 6	8 - 10
40"	8 - 12	16 - 20



Esorb Mineral Desiccant

Container Size	MD - 1kg	MD - 2kg
20"	16	8
40"	32	16

TRANSFORMER BREATHERS

The R Series Transformer Breathers come in three different sizes with a clear polycarbonate body allowing for the desiccant to be easily monitored. Indicating Silica Gel will change colour to indicate when gel is spent and needs to be replaced.



Product Model	Overall Length (mm)	Overall Diameter (mm)	Desiccant Weight (kg)
R	158	108	0.6
R1	260	108	1.2
R2	362	108	1.9

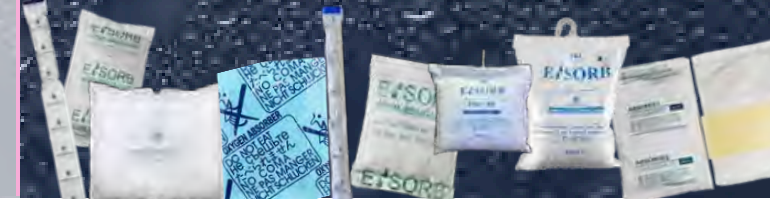


Contact our Sydney office for a quote!
p: 02 9945 0593 e: sales@pro-ex.com.au



CONTAINER AND PACKAGING DESICCANT SPECIALISTS

Protection Experts Australia are **exclusive suppliers** of the Absortech range of desiccants in Australia



PACKAGING DESICCANTS



Our packaging desiccant range can be used in tandem with our shipping desiccants or stand alone. With a selection of absorbent materials and sizes available, we can find a desiccant to suit your needs.

Our Esorb range are non toxic mineral (MD) and clay (MT) desiccants absorbing well at all humidity levels. They effectively lock in trapped moisture to reduce re-evaporation and prevent oversaturation. We also offer desiccants conforming to military spec MIL-D-3464 and other international standards.

OXYGEN ABSORBERS

The main function of oxygen absorbers is to remove oxygen and carbon dioxide in a closed container. An oxygen free environment can be reached within 24 hours at normal temperature. We stock the iron-based Type A Oxygen Absorbers.

Oxygen Absorbers are used to:

- Protect against mould growth
- Prevent the growth of microbes
- Stop fat from oxidizing
- Maintain original taste, colour



Product Name	Absorbing Oxygen Capacity (ml)	Sachet Dimension (cm)	Sachet/Bag	Sachet/Ctn
30CC	30	3 x 4	200	6000
50CC	50	4 x 4.5	200	5000
100CC	100	4 x 5.5	100	2500
200CC	200	5 x 6	50	1500
500CC	500	7 x 8.5	50	1000

We offer oxygen absorbers in a continuous roll. Contact us for more information.

HOW MANY OXYGEN ABSORBERS DO I NEED?

Oxygen Volume (CC) = [Package Dimensions (cm) (Length x Width x Height) – Food weight (g)] x 20%

INBOX DESICCANTS

Our inbox desiccant options can be used across a variety of industries, including:

- Pharmaceuticals
- Wood and paper products
- Electronics and machinery
- Glass
- Textiles and leather goods
- Consumer Products

Clay Desiccants (MT)

These environmentally friendly inbox desiccants are widely applied in various industries such as the Military conforming to MIL-D-3464 spec standards. Sold in "units", 1 Unit equals 33 grams of clay desiccant.

Product Name	Weight (g)	Product Dimension (cm)	Units/Ctn
MT – 1 unit	33	7.8 x 9.5	400
MT – 4 unit	132	9.8 x 15	100
MT – 8 unit	264	10.5 x 21	60
MT – 16 unit	528	15 x 25	30



Absorbs* 30%

Silica Gel

A widely known desiccant, the glass-like porous silica gel works well to absorb moisture in relatively stable conditions. These are not suitable for temperatures over 40 C as their absorption capabilities deteriorate significantly.

We carry the following range of silica gel sachets:

- 0.5g
- 5g
- 10g
- 100g
- 1g
- 50g
- 500g
- 2g



Absorbs* 30%

Mineral Desiccants (MD)

Esorb Mineral Desiccants (MD) contain calcium chloride and so have higher absorption capabilities than 100% clay and silica gel desiccant options. They can be used as either an inbox or container desiccant when not in direct contact with organic or metallic cargo.

Product Name	Weight (g)	Product Dimension (cm)	Units/Ctn
MD – 100g	100	13 x 9 x 1	140
MD – 500g	500	26 x 14 x 2	32



Absorbs* 70%

SHIPPING DESICCANTS



Our shipping desiccant range use the active agent of Calcium Chloride to aggressively remove moisture from the air. Once removed from their sealed packaging they immediately get to work tackling whatever environmental conditions are thrown at it.

Pro-Ex Gel 1kg

Our #1 seller in Australia due to its superior absorption capabilities and immediate results. Calcium chloride combined with a gelling agent and starch, makes for a desiccant on steroids, with results to match.



Absorbs* 300%

Dry Pole 1kg

A high-performance moisture absorber designed to prevent condensation, container rain, and humidity-related cargo damage during shipping. It is commonly used to protect goods from mould, corrosion, and packaging deterioration in

- Ocean freight
- Long-haul trucking
- Warehouse storage



Absorbs* 300%

Pro-Ex Gel 125g



Absorbs* 300%

A simple and safe cargo desiccant in the form of a gel pad. An adhesive backing makes this a flexible and versatile option. The Pouch can be mounted on container walls, the side or top of pallets or simply packed between cargo.

Esorb 1kg & 2kg Mineral Desiccant

A compact desiccant, it is easy to install with a hanging hook, and though slower to perform is a reliable desiccant solution.



Absorbs* 70%

Refer to the back page, for the recommended desiccant units required in a container.

* Absorption rate refers to the ability to absorb based on the products weight.