



PROTECTION EXPERTS
AUSTRALIA

FoodTech Qld
July 2022

We'll beat any reasonable quote



pro-ex.com.au

02 9945 0593

*Solutions to protect
your items from moisture,
oxygen and transit damage.*

Welcome to FoodTech Qld 2022. We are excited to be exhibiting here and look forward to meeting you face to face.

Protection Experts Australia, or 'Pro-Ex', are a Sydney-based supplier of packaging and shipping desiccants, oxygen absorbers and silica gel.

All our products can be found online at pro-ex.com.au along with their current pricing. Remember if you don't see something you are after, please give us a call as we're always on the lookout for products to expand our portfolio.

Yolanda Bacon
Protection Australia Owner



Silica Gel

- Active Ingredient: Silica Gel
- Absorbing Capacity: up to **35%**
- Well known
- Suitable for organic and metal cargo
- Requires a stable environment to work effectively
- Available in a variety of sizes 1/2g to 500g



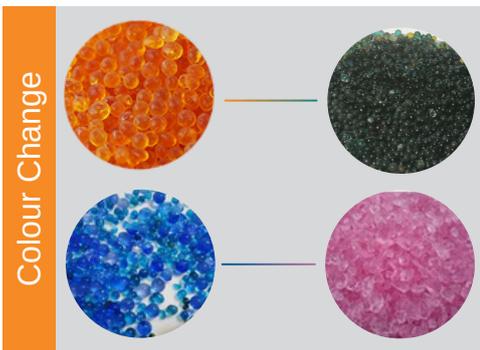
Contact our office for details on our Continuous Silica Gel range



Product Name	Weight (g)	Product	Units/Ctn	SKU
Silica Gel 0.5g	0.5	1.7 x 3.4	12000	SD-0.5g-TY
Silica Gel 1g	1	1.8 x 3.9	7000	SD-1g-TY
Silica Gel 2g	2	2.2 x 4.6	4000	SD-2g-TY
Silica Gel 5g	5	4.5 x 6.5	2000	SD-5g-TY
Silica Gel 10g	10	6 x 8	800	SD-10g-TY
Silica Gel 25g	25	7.5 x 9	500	SD-25g-TY
Silica Gel 50g	50	7.8 x 11	240	SD-50g-TY
Silica Gel 100g	100	9.8 x 13.5	120	SD-100g-TY
Silica Gel 500g	500	7.8 x 11	28	SD-500g-TY

Indicating Silica Gel

- Active Ingredient: Silica Gel
- Absorbing Capacity: up to **35%**
- Colour change lets you see at a glance when your silica gel is spent, allowing you to make full use of your silica gel
- Option: Orange (turns green) or Blue (turns pink)
- Note: Only orange silica gel can be used with food products. Blue silica gel contains cobalt chloride, rendering it unsuitable for use with food products



Product Name	Weight (kg)	SKU (Blue)	SKU (Orange)
Indicating Silica Gel 600g	0.6	SDR-600g-Blue	SDR-600g-Orange
Indicating Silica Gel 1.2kg	1.2	SDR-1.2kg-Blue	SDR-1.2kg-Orange
Indicating Silica Gel 1.9kg	1.9	SDR-1.9kg-Blue	SDR-1.9kg-Orange
Indicating Silica Gel Drum	25	SDR-25kg-Blue	SDR-25kg-Orange





Mylar Bags

- Mylar provides a superior barrier to oxygen, moisture and light
- Ideal for long term food storage
- Resealable, these bags can be conveniently squeezed and sealed before heat-sealing with a clothes iron
- Easy tear notch for access
- Waterproof, puncture and tear resistant Mylar Bags prevent rust, oxidation, moisture and damp
- Suitable for storing grains, dried food, coffee beans, spices, beef jerky, bath salts, sugar, rice, tea leaf, dried flowers, pet food, electronic accessories, photographs and more
- **Stand Up Pouch** - contains a 4 cm base and transparent front to display items



Stand Up Pouch with clear panel

Product Name	Quantity	Product Dimension (cm)	Thickness (μ)	SKU
Mylar Bag - Small	50	15 x 20	110 (4.3 mil)	MB-15*20
Mylar Bag - Medium	50	23 x 32	110 (4.3 mil)	MB-23*32
Mylar Bag - Large	50	30 x 40	110 (4.3 mil)	MB-30*40
Stand Up Pouch	50	16 x 23	100 (3.9 mil)	APB-16*23

Mylar Bag + Oxygen Absorber

We recommend using Mylar Bags in tandem with oxygen absorbers to ensure the successful preservation of items.

Check out our [Value Bundles](#) and save today!





Oxygen Absorbers

Pro-Ex Australia offer a range of oxygen absorbers to protect your products from damage due to oxidization.

'Eye'

'Eye' on sealed package indicates if Oxygen Absorbers are activated.



Oxygen Absorber Range	Absorbing Oxygen Capacity (ml)	Sachet Dimension (mm)	Sachet Weight (g)	Sachets Per Bag	Sachets Per Carton	SKU
Type A 30CC	30	30 x 40	1.1 ± 0.2	200	6,000	OA-30CC
Type A 50CC	50	40 x 45	1.7 ± 0.2	200	5,000	OA-50CC
Type A 100CC	100	40 x 55	3.3 ± 0.2	100	2,500	OA-100CC
Type A 200CC	200	50 x 60	6.6 ± 0.3	50	1,500	OA-200CC
Type A 500CC	500	70 x 85	14.5 ± 1.4	50	1,000	OA-500CC

Typical uses for Oxygen Absorbers



An oxygen free environment can be reached within 24 hours at normal temperature.

Oxygen Absorber ingredients

Pro-Ex stock iron-based **Type A Oxygen Absorbers**. Main Ingredients include iron powder, active carbon powder, salt, diatomite granule and water. Oil proof packaging material: PET/EVA/PAPER/PE.



1. Measure Sealed Chamber Volume

Key to calculating your oxygen absorber requirements is isolating the dimensions of the **sealed chamber**. All measurements should therefore be made from 'seal to seal' (see dotted lines).



- Depth = 6.5cm
- Width = 10.5cm
- Length = 15cm
- Net Weight = 150g

2. Calculate Oxygen Absorber needs

Oxygen Absorber Calculation			
Oxygen Volume (CC)	=	Sealed Package Dimensions (cm): (Length x Width x Depth)	- Food Weight (g): <i>contents only</i> x 20%
	=	(15 x 10.5 x 6.5)	- 150 x 20%
Oxygen Volume (CC)	=	174.75	

3. Understand the results

- 1 x 200cc Oxygen Absorber sachet OR
- 2 x 100cc Oxygen Absorber sachet OR
- 3 x 50cc Oxygen Absorber sachet OR
- 6 x 30cc Oxygen Absorber satchet



Shipping Desiccants

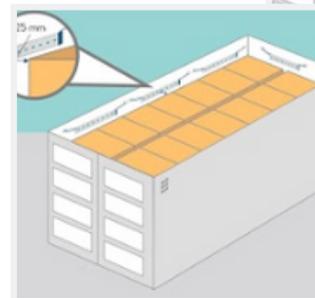
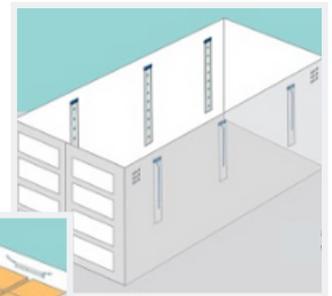
Shipping Desiccants protect your cargo from the effects of damaging moisture. Shipments (and your cargo) are subject to a host of environmental conditions as they traverse the globe.

Shipment time, climatic conditions during the shipment, air volume in the container, type of packaging used and the cargo type are all factors to consider when selecting the right shipping desiccant for you. Bear in mind also, the labour costs incurred when installing and disposing of units.



Absorgel Shipping Desiccant 1kg

- Active Ingredient: Calcium Chloride + Modified Starch
- Absorbing Capacity: up to **300%**
- Dimensions: 95cm x 13.5cm x 3cm
- Our top seller with superior absorption capabilities
- Rapidly absorbs moisture with no liquid (so no spills!)
- Versatile units, that can be hung vertically or horizontally
- Two adhesive strips allow unit to be secured to container wall
- Can not come in contact with metal
- SKU: ABS-04-SH



Versatile

Absorgel Hanging Recommended Units

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





Shipping Desiccants

Absorgel Pouch 125g

- Dimensions: 17cm x 15cm
- Weight: 125g
- Adhesive backing
- No liquid collection
- SKU: ABS-05



absorb up to 300%*

Effective in controlling moisture inside of crates, cartons and other types of packaging to prevent mould, fungus, rust and other moisture related damage.

Versatile Installation

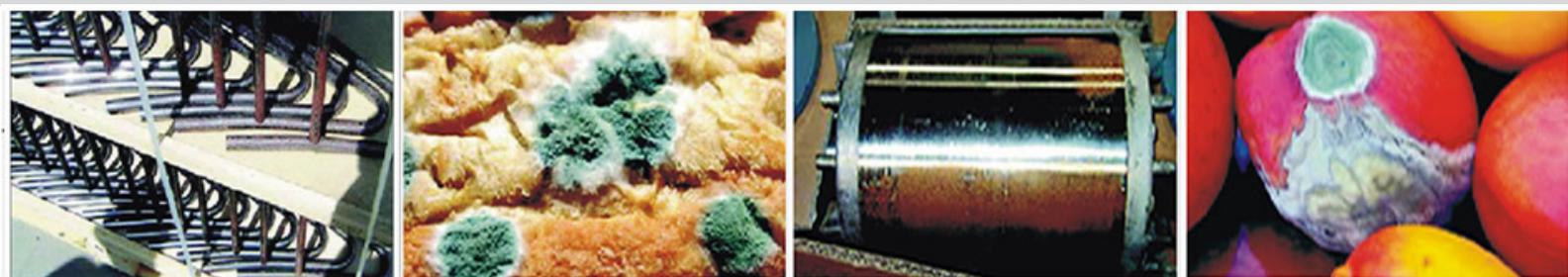
Adhesive backing, allows for more versatile and flexible installation options.

The Pouch can be mounted on container walls, the side or top of pallets or simply packed between cargo.

Pro-Ex can assist you to calculate the exact number of units you will need in your unique circumstances.

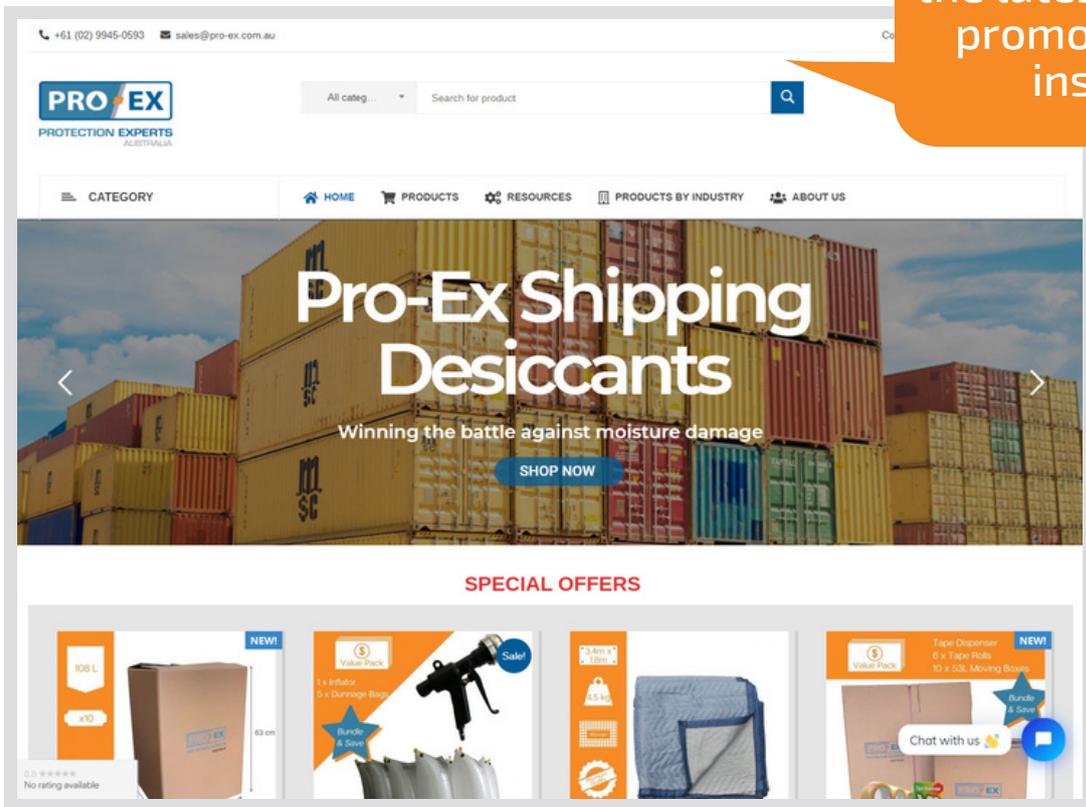
Shipping Desiccants, preventing the effects of damaging moisture:

- corrosion
- peeling labels
- mould
- soggy/steamy packaging
- oxidisation
- bad odours





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Contact us, we'd be happy to source it for you!

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