

A (VERY) COOL ALTERNATIVE

PROUDLY
MADE IN
AUSTRALIA 

20% RECYCLED
CONTENT
in Every
Bag & Liner 

LIGHT
WEIGHT 

100%
RECYCLABLE!
Deposit @ 1850+
sites across Australia


www.redcycle.net.au



With so many Cold Chain products on the market, it can be challenging to understand which products are best suited to your business. For over 30 years, we have worked with brands from an array of industries to create Cold Chain Solutions that are tested and validated for thermal performance. Sancell's EnviroTherm Liners and Bags paired with ProtectaChill Gel Packs are the ultimate Australian made and 100% recyclable Cold Chain Solution.

REFLECTIVE OUTER LAYER

Reflects radiant heat flow

BUBBLE INNER LAYER

Acts as an air barrier which reduces heat transfer and conductivity

LIGHTWEIGHT

Reduces overall parcel weight for more economical shipping

100% RECYCLABLE

Approved for recycle in REDcycle bins located at supermarkets across Australia. Visit www.redcycle.net.au for locations.



DEPOSIT FOR RECYCLING
IN REDcycle BINS
at 1850+ SUPERMARKETS
AROUND AUSTRALIA!

CONSIDER A SANCELL THERMAL SOLUTION IN PLACE OF...

PLA (Polylactic Acids)

Derived from Corn Starch and Sugar Cane, PLA and other Bioplastic products are increasingly finding their way into the Australian Packaging landscape. While claims are often made that these products are biodegradable and compostable, they require commercial processing sites which are **not easily accessible** to the everyday Australian products are **produced offshore and imported**, diverting manufacturing jobs away from hard-working Australians.

- ✗ Produced offshore & imported
- ✗ Not easily recycled



Polystyrene (EPS)

While it's cooling credentials might be hot, its environmental credentials certainly are not! Polystyrene is an **extremely rigid** product which is **not easily recycled**, taking up significant volume within landfill sites. This product has become **such a problem** that its being phased out as loose fill packaging and food and beverage containers in 2022, as outlined in the Australian National Plastics Plan 2021.

- ✗ Extremely rigid
- ✗ Not easily recycled
- ✗ Phasing out in 2022
- ✗ Space-consuming



Natural Fibre Carton Liners

A '100% natural' and compostable product seems ideal, however, these these bulky liners are **not easily recycled or disposed** with customers confused as to where and how to sustainably dispose. The every day customer is not equipped to compost an average of 375g of insulating natural fibre liners that regularly arrive with deliveries. As a result, large numbers are likely to **end up in general waste and ultimately landfill**.

- ✗ Bulky & Heavy
- ✗ Not easily composted



Paper

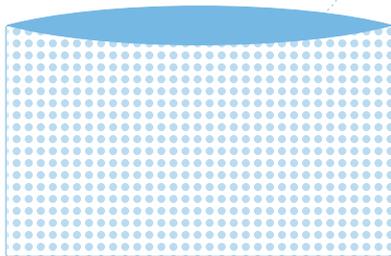
General perception within the market would think paper is the most environmentally friendly packaging solution. However, the manufacturing process of paper contributes to **80% more greenhouse gases**, **4 times as much energy** and **50 times more water pollutants** than plastic. It takes **91% less energy** to recycle 0.5kgs of plastic than to recycle 0.5kg of paper. Once paper is collected, sorted by a machine, sorted by hand to remove all non-paper items, washed, turned into sludge, purified, poured, flattened, dried, bleached, cut and packaged, its finally ready to go!

- ✗ Resource heavy manufacturing process
- ✗ Complex to recycle



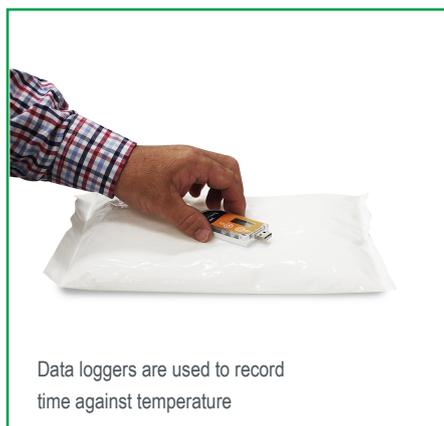
16+ HOURS

Using 2 x 500g Gel Packs inside a Sancell Thermal Liner the temperature remained under 5°C for 16 Hours and 52 minutes



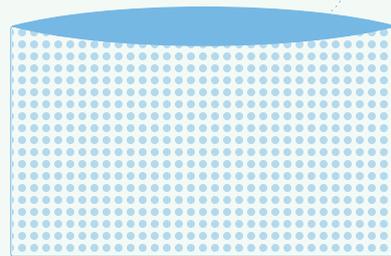
SANCELL THERMAL LINER

TEST PARAMETERS	
Ambient Temperature	30°C (+/- 2°C)
Specifications	2 x 500g Gel Packs sealed inside a Sancell Thermal Liner
RESULTS	
Start Temperature	-21°C
Finish Temperature	5°C
Lapsed Time	16 Hours & 53 Minutes



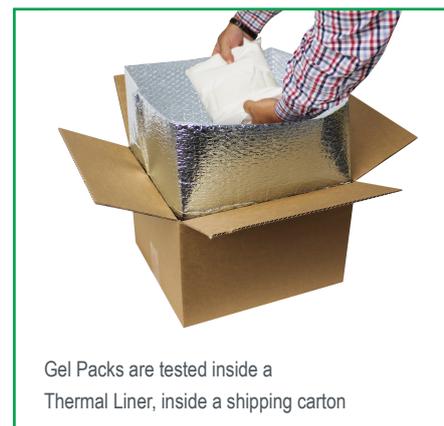
25+ HOURS

Using 2 x 750g Gel Packs inside a Sancell Thermal Liner the temperature remained under 5°C for 25 Hours and 32 minutes



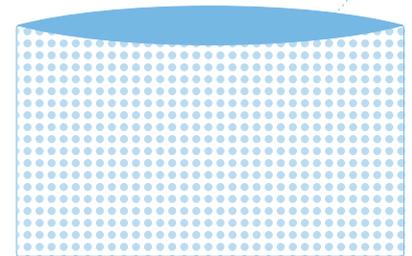
SANCELL THERMAL LINER

TEST PARAMETERS	
Ambient Temperature	30°C (+/- 2°C)
Specifications	2 x 750g Gel Packs sealed inside a Sancell Thermal Liner
RESULTS	
Start Temperature	-23°C
Finish Temperature	5°C
Lapsed Time	25 Hours & 32 Minutes



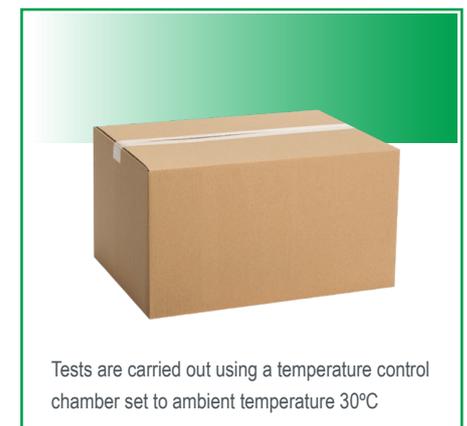
33+ HOURS

Using 2 x 1KG Gel Packs inside a Sancell Thermal Liner the temperature remained under 5°C for 33 Hours and 25 minutes



SANCELL THERMAL LINER

TEST PARAMETERS	
Ambient Temperature	30°C (+/- 2°C)
Specifications	2 x 1KG Gel Packs sealed inside a Sancell Thermal Liner
RESULTS	
Start Temperature	-23°C
Finish Temperature	5°C
Lapsed Time	33 Hours & 25 Minutes



SANCELL GEL PACKS

HOW CAN I DISPOSE OF GEL PACKS SAFELY?

1. SNIP
Snip the corner from your gel pack pouch

2. ADD
1 Tablespoon of salt per kilogram of gel
Add salt to the gel inside the pouch

3. MIX
Over the sink, shake pouch for 20 seconds to mix salt and gel into a liquid.

4. POUR
Pour the liquid contents down the drain. Rinse thoroughly.

Recycle the outer pouch in REDcycle bins

OR
Add the gel to your garden beds. Sodium Polyacrylate can help soil to retain water...

The gel in Sancell gel packs only contains 0.5% Sodium Polyacrylate. The other 99.5% is water!

NON-TOXIC

Sancell ProtectaChill™ gel packs are safe for use with food, seafood, pathology samples and temperature sensitive pharmaceuticals. Each pack contains a non-toxic sodium polyacrylate gel inside. Should the unexpected happen and the gel contents come into contact with skin or food, the gel will cause no harm. We do advise to immediately wash gel from skin or food. The contents should not to be ingested.

RECYCLABLE

The outer tubing of each gel pack is made from Low Density Polyethylene (LDPE4) and is 100% Recyclable. Safely dispose of the gel contents as per our guidelines (left). The outer tubing can then be deposited into REDcycle bins located in 1850+ major supermarkets around Australia. Once processed and recycled, the outer case can become a plant pot, park bench or even another form of packaging one day!

NO PUNCTURES or TEARS

Made from Australian Made quality virgin material, our outer tubing is engineered not to tear or puncture.

ROBUST SEALS

High strength seals provide superior durability ensuring no leaks and preventing any splits.

ISO

All Sancell products are manufactured under ISO accredited systems in OH&S, Environment and Quality.



MADE IN AUSTRALIA

All ProtectaChill™ gel packs are proudly made at our manufacturing facilities in Melbourne and Sydney. Dual manufacturing sites gives us the versatility to move our gel packs around the country quickly and efficiently as well as giving us flexibility with supply.

Locally made gel packs means we are always in control of quality and production. We only use quality Australian made outer tubing, cartons and labels.

SUITABLE FOR REUSE

ProtectaChill™ gel packs are suitable for reuse. Each pack is made using robust, Australian manufactured tubing, designed to resist splitting and puncturing. Packs should be cleaned and sanitised thoroughly before being re-used. If a gel pack does begin to leak, it should be disposed of immediately and thoughtfully as per our guidelines (left).



RECYCLABLE

LDPE4 outer. Suitable for recycling in 1850+ REDcycle Bins in supermarkets Australia wide.

YOUR NAME HERE!

Place your brand in the hand of every customer! Ask about our custom print options.



EnviroTherm is an innovative new reflective film made from **LDPE 4** with several key environmental benefits.

Key benefits:

- EnviroTherm liners are widely accepted by post industrial recycling schemes.
- Suitable for disposal at over 1850+ supermarket locations Australia wide for recycling through the **REDcycle** program.
- Sancell recycles all EnviroTherm production waste in-house allowing us to re-purpose through adding a **minimum 20% recycled** content into all EnviroTherm products.
- We are **APCO** members and EnviroTherm is produced in compliance with **ISO 14001** management systems, assuring our customer of our commitment to continuous improvement.
- High quality product offering maximum thermal protection to ensure your goods arrive in perfect condition without spoilage.



Thermal Insulating



Sustainable



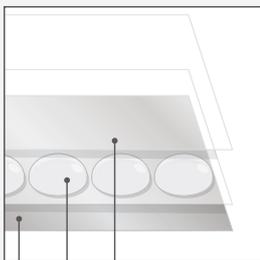
Economical



Available in two options:

EnviroTherm Air

by SANCELL



Padded thermal insulating liner.

Bubble layer provides cushioning impact protection for delicate goods in transit.

Maximum thermal protection.

Clear Layer
Air Bubble Layer
LDPE Metallised Layer



EnviroTherm Eco

by SANCELL



Compact thermal insulating liner.

Freight and storage savings.

Maximum thermal protection.

Clear Layer
Clear Layer
LDPE Metallised Layer



AUSTRALIAN
PACKAGING
COVENANT
ORGANISATION
MEMBER

