

PROUDLY
MADE IN
AUSTRALIA

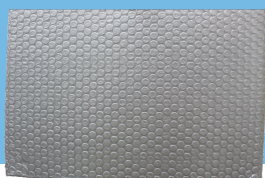


40% RECYCLED
CONTENT
in Every
Bag & Liner



LIGHT
WEIGHT

100%
RECYCLABLE!



A (VERY) COOL ALTERNATIVE

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 Silver Sheen Eco 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

Silver Sheen Liners and Bags along with ProtectaChill outer cases are 100% recyclable.



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 its 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 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

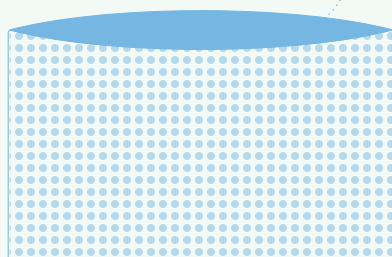
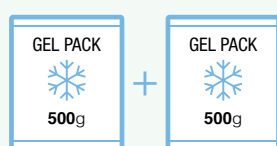
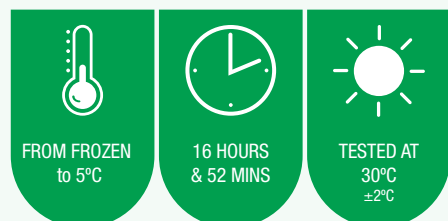
General perception within the market would think paper is the most environmentally friendly packaging solution. However, the manufacturing process of paper contributes to **80% more greenhouse gases**, **4 times as much energy** and **50 times more water pollutants** than plastic. It takes **91% less 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

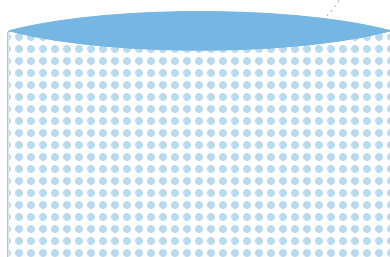
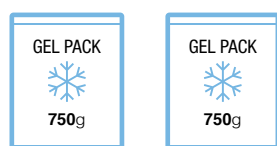
Ambient Temperature	30°C (+/- 2°C)
Specifications	2 x 500g Gel Packs sealed inside a Sancell Thermal Liner

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

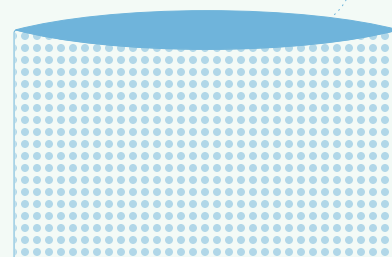
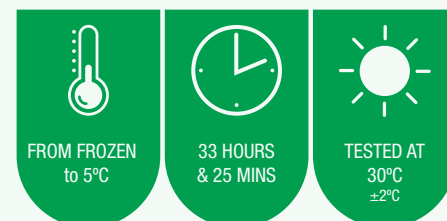
Ambient Temperature	30°C (+/- 2°C)
Specifications	2 x 750g Gel Packs sealed inside a Sancell Thermal Liner

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



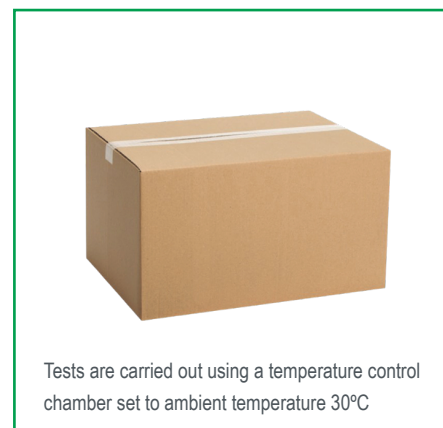
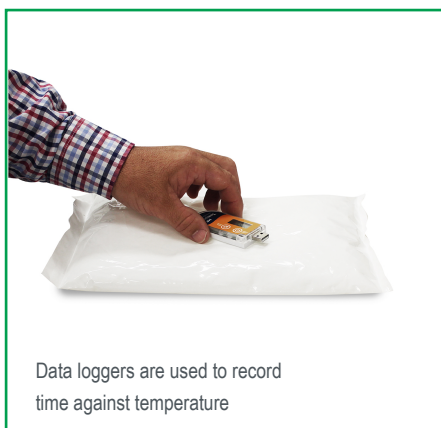
SANCELL THERMAL LINER

TEST PARAMETERS

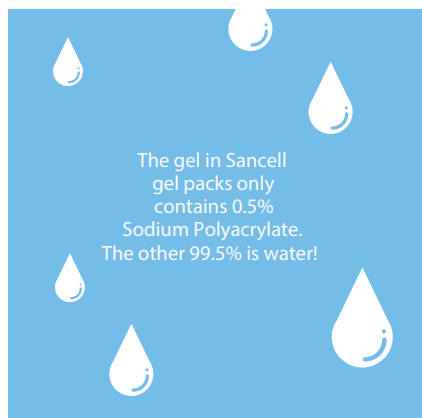
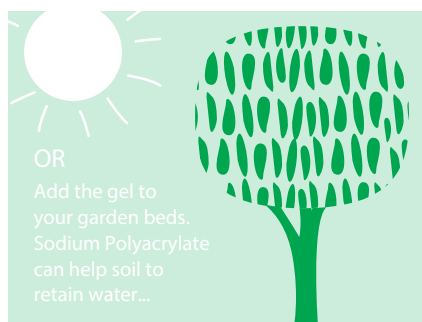
Ambient Temperature	30°C (+/- 2°C)
Specifications	2 x 1KG Gel Packs sealed inside a Sancell Thermal Liner

RESULTS

Start Temperature	-23°C
Finish Temperature	5°C
Lapsed Time	33 Hours & 25 Minutes



HOW CAN I DISPOSE OF GEL PACKS SAFELY?



SANCELL GEL PACKS

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 be ingested.

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).

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.

RECYCLABLE

The LDPE 4 outer layer is 100% recyclable. Empty the gel contents into gardens to help soil retain its moisture.

ISO

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



YOUR NAME HERE!

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

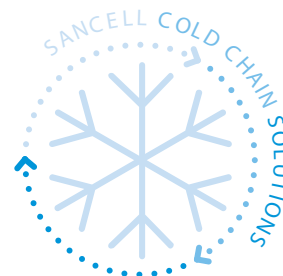
MADE IN AUSTRALIA

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.

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 is then 100% recyclable.



40%

Recycled Content



Storage Savings



Transportation Savings



Less Recycling Space

SILVER ECO Sheen

**THE NEXT GENERATION THERMAL
PROTECTOR! SILVER SHEEN ECO IS
LOCALLY SOURCED, AUSSIE MADE
AND TAKES UP 75% LESS SPACE
THAN SILVER SHEEN AIR!**

A Special Blend

A proprietary blend of locally sourced aluminium particulates are embedded into each layer, to not only trap the cold in but defend any heat from entering. Along with a minimum of 40% recycled content in every bag, Silver Sheen is 100% recyclable. With multiple layers fighting to protect your temperature sensitive goods, it really is your knight in shining armour!

The Eco Difference

Silver Sheen Eco is specifically engineered to optimise material value and minimise impacts on the environment. Silver Sheen Eco is made from 100% locally sourced materials and is 100% locally made. The lower profile requires less energy and fossil fuels to transport, as well as less space to store, transport and recycle. The 1mm structure also allows you to expel unnecessary air from your package, maximising thermal performance. Make a real environmental difference by choosing Silver Sheen Eco!



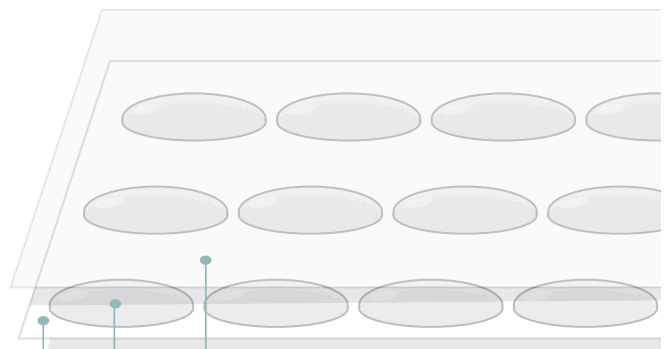
Australian Made



Locally Sourced Materials



100% Recyclable



Pockets of air embedded between two layers of aluminium shielding!

