

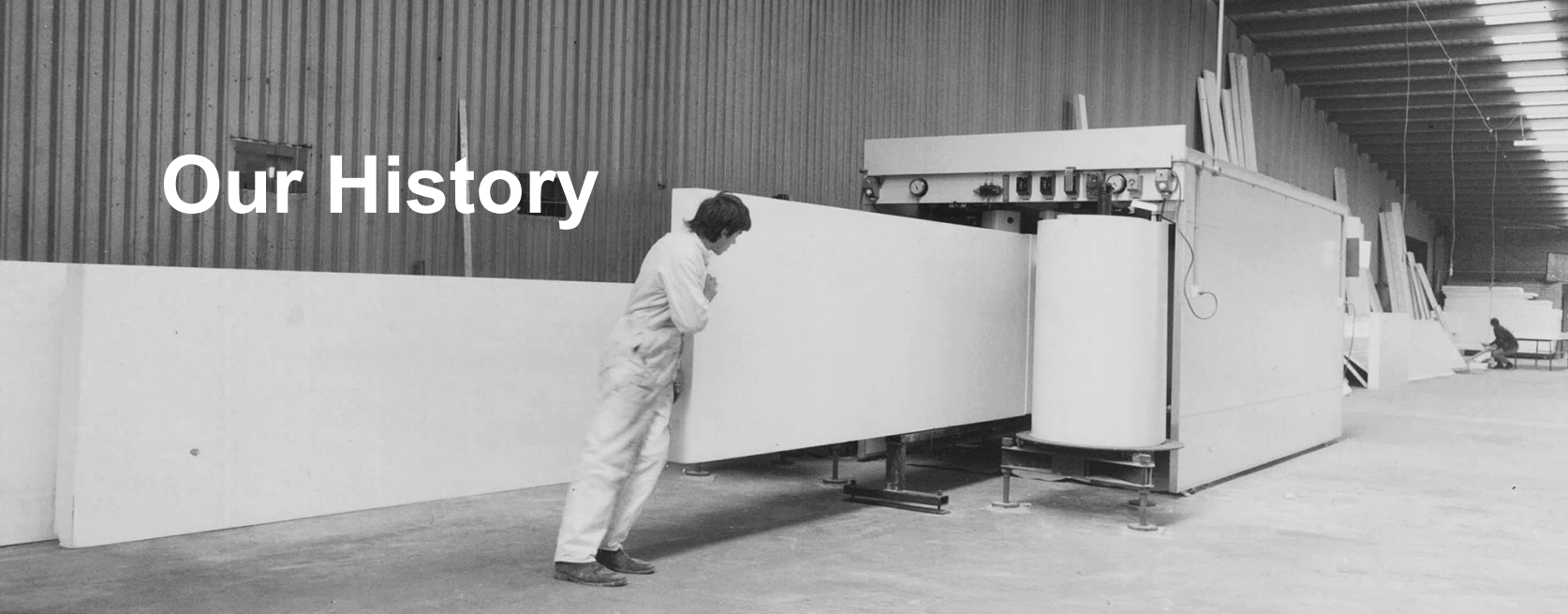
# ASKIN RWTA Conference

“The Cold Chain; Volatility,  
Global Conflicts and Agility”



**ASKIN**<sup>®</sup>  
Performance Panels

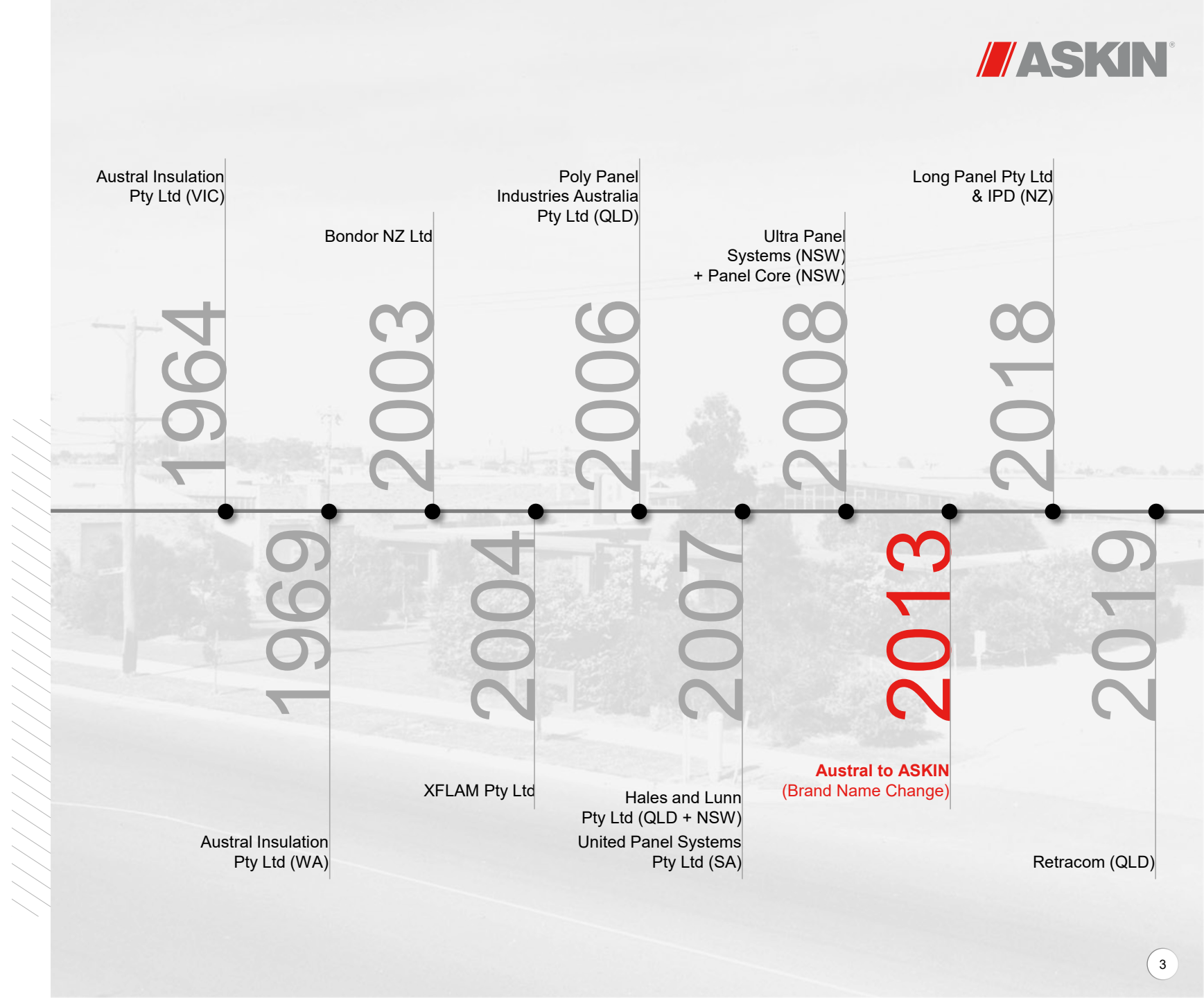
# Our History



# Our History

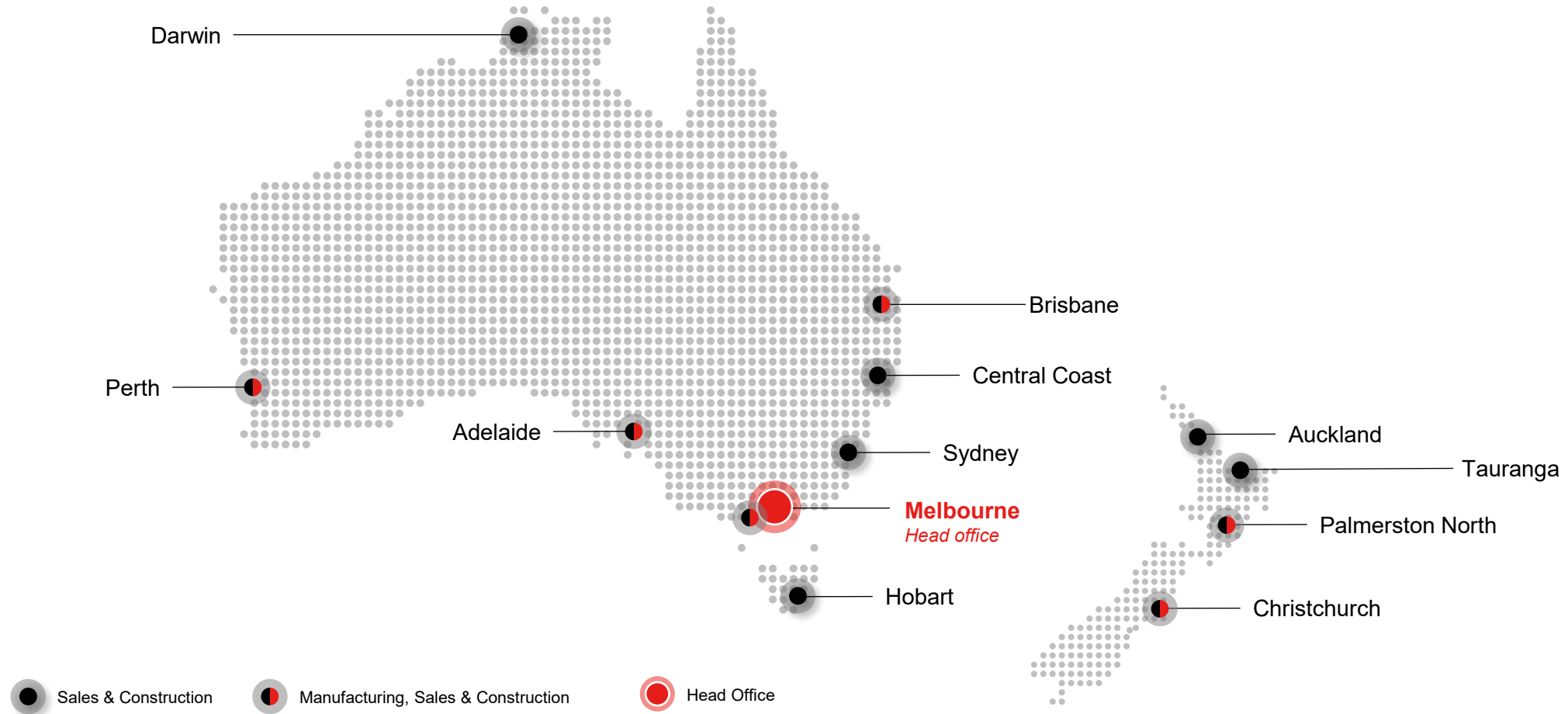


- ▲ Originally founded in 1964 by Frank James, who introduced the first EPS insulated panel laminating process into Victoria.
- ▲ Development of Austral WA next in 1969
- ▲ The following 30 years remained stable with some leadership and shareholder changes
- ▲ In the early 2000's ASKIN began to grow through product developments and acquisitions throughout Australia and NZ – including XFLAM, Bondor NZ and other lamination lines & Construction business's
- ▲ In 2013 we rebranded from Austral to ASKIN to redefine the business along with the need to merge multiple brands
- ▲ Over 2018-20 ASKIN acquired the Long Panel / IPD business in New Zealand and the Retracom business in Australia
- ▲ Next phase includes further growth via vertical and horizontal integration.
- ▲ ...and still proudly Australian owned.



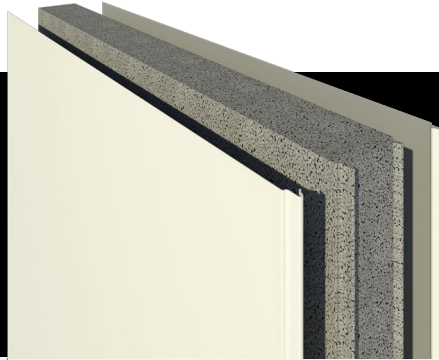
# /// Locations & Resources

## Panel Manufacturing, Sales & Construction Locations



# /// ASKIN Technology

## Panel Cores



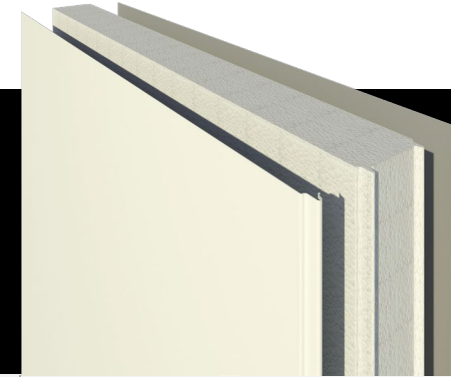
### **XFLAM**

ASKIN's XFLAM syntactic foam core is proprietary technology. XFLAM is a market leading, insurer endorsed, innovative product with high-performance fire resistance. It has excellent mechanical properties, superior insulation values, low toxicity and 100% recyclable.



### **Volcore**

ASKIN's Volcore panel range consists of a non combustible, fire resistant, mineral wool core. Volcore Panel is in high demand for facades, cladding and roof systems, where fire performance, acoustic and weather tightness are the key requirements.



### **EPS-FR**

EPS-FR is an expanded polystyrene core with a flame retardant. It is a cost-effective construction solution with proven long term performance for over 60 years.

# /// ASKIN Products

## Panel Systems

### ///ASKIN Interiors

- Cold Storage
- Pharmaceutical
- Temperature Controlled
- Partition Walls
- Suspended Ceilings

### ///ASKIN Exteriors

- ViviD - Secret Fix
- External Walls
- Facades
- Soffits
- Sunshades

### ///ASKIN Roofing

- Insulated Roof Systems
- Membrane Solutions
- Insulated Gutters
- Skylights
- Solar / PV

### ///ASKIN Solutions

- Windows
- Evolve - Wall Protection
- Hoarding
- Kit Rooms
- Ancillaries

### ///ASKIN Limitless

- Attachments
- Rainscreens
- Casette systems
- Secret Fix
- Engineered Support System

### ///ASKIN Doors

- Swing
- Sliding
- Display
- Rapid
- Sectional

## Panel Technology

### Cores

- XFLAM
- EPS-FR
- Volcore
- PUR
- XPS
- EPS-HRv

### Skins

- Galvanised Steel
- Zinalume® Steel
- Aluzinc Steel
- Stainless Steel
- 304 2B Stainless Steel
- Aluminium

### Profiles

- Seamless
- Ambience
- Infinite
- Silkline
- Transform
- Ribbed
- Mesa
- Express
- Metric
- Unideck
- Flat

### Finishes

- Colorbond Colours
- Metallics
- Anti-bacterial
- Matt
- Prints
- Corporate Colours
- 200 Plus
- Perforated

### Attachments

- Rosanna Rib
- Perforated Metals
- Preformed / Folded Metals
- Zinc
- Copper
- Aluminium
- Timber
- Composite Metals
- Cement Sheets
- Terracotta
- Tiles

# /// ASKIN Services

## /// ASKIN Specifications

ASKIN ensures the right insulated panel products are matched to the right building solution

- CPD Presentations – Continued Professional Development
- NATSPEC – National Specification
- Product spec.
- Project spec.
- Seminars

## /// ASKIN Installation

ASKIN provides a comprehensive range of construction and project management services

- Contract Administration
- Project Management
- Site Inspections
- Installation
- IPCA Accredited

## /// ASKIN Maintenance

ASKIN can provide a full service and maintenance plan for a whole-of-life solution

- Service
- Maintenance
- Refurbishment
- Extended Warranty
- CODE Conversions

## /// ASKIN Design&Drafting

ASKIN has extensive experience working with some of the largest food processing and cold storage companies in Australia

- Concept Design
- Construction Drawings
- Standard Details
- AutoCAD / REVIT / Inventor
- Custom Solutions

## /// ASKIN Engineering

ASKIN delivers world class performance and design to the commercial construction, food processing and cold chain industries

- Research + Development
- NATA Testing
- Project Engineering
- Thermography
- Environment Accreditation

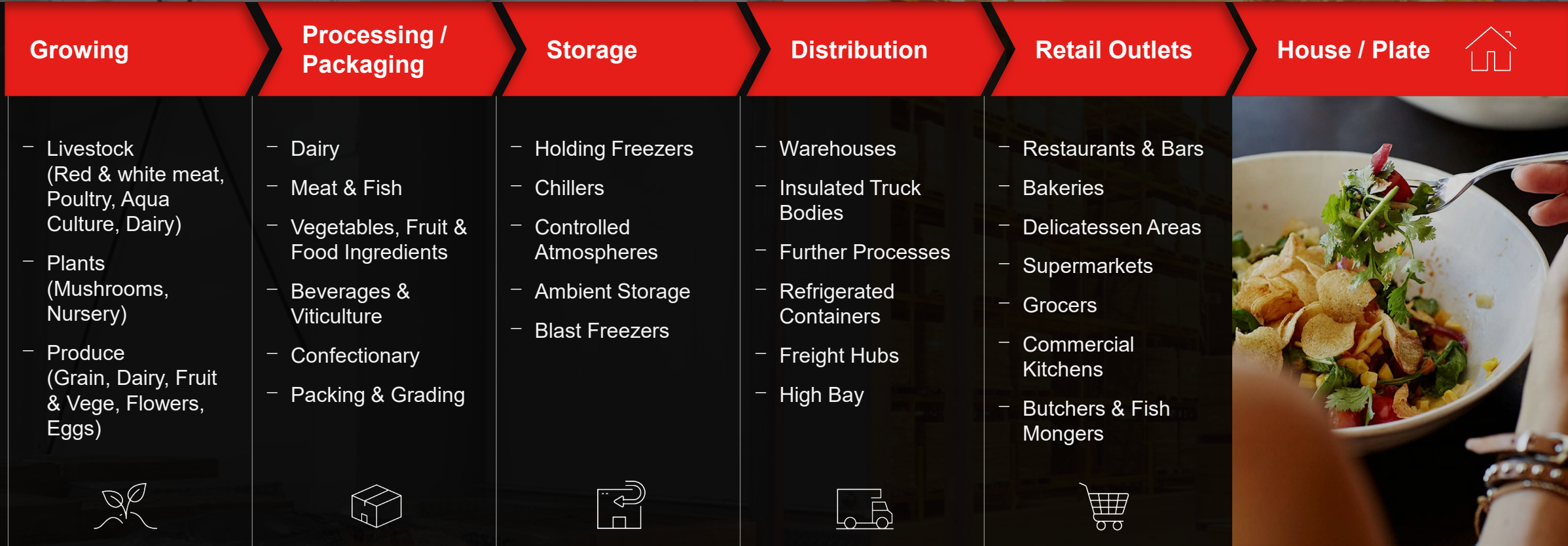
## /// ASKIN Logistics

ASKIN is an Australian owned and operated business with a nationwide footprint, with local understanding and service capabilities

- Australian National Footprint
- New Zealand National Footprint
- Transport / Delivery
- Plant + Equipment
- Site Services

# /// The Cold Chain – Paddock to Plate

Through Controlled Environment Facilities





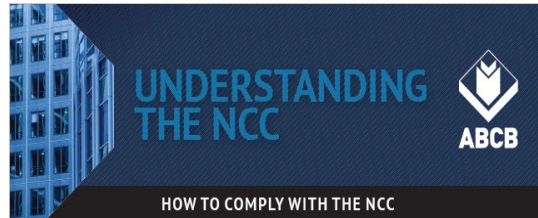
# /// Service & Maintenance - we can health check your building

- ▲ The cold storage industry has seen a major focus on Service and Maintenance. This is based on energy efficiency, vapor sealed controlled environments and insurance requirements.
- ▲ Upgrading of non IPCA (Insulated Panel Council Australasia) complaint buildings to meet the industry code of practice.
- ▲ The ASKIN Team have been at the forefront of Service and Maintenance working on different multi purpose projects that vary in size and usage.
- ▲ These projects vary from 6 month service checks, programmed shutdown maintenance and through to emergency works where service is imperative for the client to operate.
- ▲ ASKIN has developed a business model within the cold storage space where it can maintain a relationship with both tenant and owner to prolong a facilities lifecycle.



# /// Key Legislation, Product Development & Certification

Building products and construction compliance – fast moving & ever changing



# /// National Construction Code

## Changes within the Building Sector

Changes with the requirements of NCC C1.1 (Fire Resistance Levels AS1530.4)

ASKIN currently has a 11 compliant systems within this market

Thermal bridging referenced for the first time in the Australian market (AS4859.1 & 2)

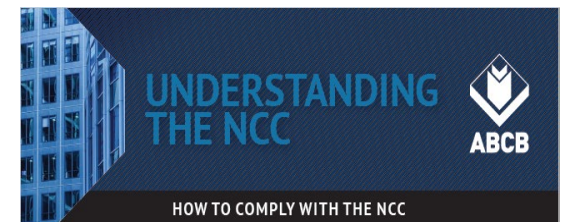
ASKIN Panels are continuous insulation, minimising the effect of thermal bridging.

The definition of “Non-Combustibility” defined within the requirements in NCC C1.9

ASKIN Volcore has meet the requirements of Non Combustibility and can be used in roofing and external walls.

Air- tightness requirements for multi-residential construction is now referenced in the NCC. The draft copy of the NCC 2023 sees changes for all classes of construction.

The NCC Section J performance requirements referencing ‘whole building’ energy usage.



# /// ASKIN & CodeMark

## Peace of Mind


CodeMark is a voluntary third-party building product certification scheme that authorizes the use of new and/or innovative products in specified circumstances to facilitate compliance with the NCC.

- ▲ Volcore Exteriors CM40333
- ▲ Volcore Interiors CM40334
- ▲ Volcore Roofing CM40335
- ▲ XFLAM Exteriors CM40338
- ▲ XFLAM Interiors CM40339
- ▲ EPS Exteriors CM40336
- ▲ EPS Interiors CM40337




Source: Rainfresh Cold Store VIC,  
ASKIN Performance Panels






### Certificate of Conformity

Certificate number: CM40335 Rev1

**Certification Body:**  
  
 AS/NZS 51 663 350 818  
 JAS-ANZ Accreditation  
 No. 24802228V  
 PO Box 275  
 Flemington VIC 3035  
 Australia  
 P +61 7 8462 2289  
[www.cmi-cert.com.au](http://www.cmi-cert.com.au)  
[office@cmi-cert.com.au](mailto:office@cmi-cert.com.au)

**Certificate Holder:**  
  
 AS/NZS Pty Ltd  
 ABN 13 126 188 033  
 Level 3, Suite 3.02, 150  
 Albert Road, South  
 Melbourne VIC 3208  
[www.askin-panels.com.au](http://www.askin-panels.com.au)

THIS IS TO CERTIFY THAT


Volcore Roofing System


**Type and/or use of product:**  
 The volcore roofing system is made from insulated composite panels intended for use in external roofing configurations.

**Description of product:**  
 The volcore roofing system includes "volcore Metric" and/or "volcore Metric Acoustic" panels. Volcore Metric & Volcore Metric Acoustic panels consist of mineral fibre cores adhered between two steel facers with an external face of 0.50 6mm and internal face of 0.6mm G300 colorbond. Both products are adhered between steel and core with a 2-part polyurethane adhesive. Refer A2 for further details.



COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) BCA 2019 (Amdt. 1)

	Volume One	Volume Two
<b>Performance Requirement(s):</b>	BP1.1(b)(iii) Structural reliability	Not Applicable
<b>Deemed-to-Satisfy Provision(s):</b>	C1.9(a)(vii) Non-combustible building materials	Not Applicable
	C1.10(a)(ii) Fire hazard properties – Subject to limitation and condition 6.	
	F1.5(d) Damp & Weatherproofing - Roof coverings	
	OS.2 Construction in bushfire prone areas – Must be used in conjunction with other building elements for use in areas up to BAL – 40. Subject to limitation and condition 7	
	J1.3 Energy Efficiency – Roof and Ceiling Construction. Must be used in conjunction with other building elements to achieve a Total R Value.	
<b>State or territory variation(s):</b>	GS.2 NSW	Not Applicable

  
Richard Donarski - CMI

  
Don Grehan - Unrestricted Building Certifier

Date of issue: 24/09/2023  
Date of expiry: 10/11/2025

Certificate number: CM40335 Rev1 This certificate is only valid when reproduced in its entirety. Page 1 of 6

Prepared by ASKIN Performance Panels © 2023 // AI 1967 04 (2023/01)

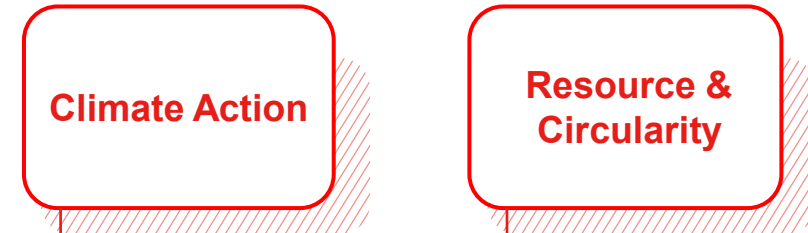
# ASKIN & Green Star

## /// What is Green Star certification?

Launched by Green Building Council of Australia (GBCA) in 2003, Green Star is Australia's largest voluntary and only truly holistic sustainability rating system for the design, **construction and performance of buildings, fit outs and communities.**

Green Star provides a common language to describe how to achieve world-leading benchmarks for sustainability across a wide range of categories including:

- ▲ Energy
- ▲ Water
- ▲ Materials
- ▲ Land Use And Ecology
- ▲ Emissions
- ▲ Transport
- ▲ Liveability
- ▲ Governance
- ▲ Economic Prosperity
- ▲ Management Systems
- ▲ Design
- ▲ Indoor Environment Quality



Buildings account for 40% of energy- related global carbon emissions.  
25% of all building emissions are related to material production and construction.

Buildings are responsible for 50% of global material use. 42.4bn tonnes of materials consumed annually.

Standard	Responsible Structure	Responsible Envelope	Responsible Systems	Responsible Finishes
ECA Pre-painted resin-coated metal products (EC- 57-23)	Good Practice (RPV ≥ 10)	Good Practice (RPV ≥ 10)	Best Practice (RPV ≥ 11)	Good Practice (RPV ≥ 7)



# CPD Learning / Market Education

## Support for Industry Learning and Knowledge Enhancement

Continued Professional Development Program was implemented by ASKIN in 2010. Since that time, the specification Team have presented to hundreds of firms across Australia and New Zealand.

ASKIN have developed a suite of seven accredited presentations. The presentations are developed in line with the NCC and capture the ongoing changes to NCC as they are released.

- Fire Requirements for External Walls & Facades
- Passivhaus Design principals in Commercial Construction
- Cleanroom & Physical Containment Laboratory Design Consideration
- Insulated Panel Roof Systems: Delivering a Complete Solution
- NCC Performance Requirements for External Walls Facades
- Thermal Performance of the Building Envelope – NCC 2019
- Design Considerations for Cold storage Construction



ASKIN would like to invite you to our presentation on

The 'Design Considerations For Cold Storage Construction' CPD Presentation focuses on the requirements, considerations, applications and understanding of panelised construction within the controlled environment sectors.



The Design Considerations For Cold Storage Construction learning outcomes include:

- Requirements of Insulated Panels in the different building classes and construction types.
- The 5 main considerations in panelised construction for temperature control layers - thermal, air, vapour drive, moisture and substrates.
- Use of panels for external and internal applications, including benefits and limitations.
- The different uses of buildings within the controlled environment sector.
- Condensation risk and fire certification.

With over 25 years experience in the built environment and technical background, Chris' concise and informative presentation introduces new and affective building techniques into the Australian construction market.

Chris Davis  
National Specification & Business Development Manager

ASKIN Performance Panels has been providing the Australian Market with innovation products and systems for over 55 years. The company is fully Australian Owned with manufacturing facilities across Australia and New Zealand.

The rigorous requirements of Cold Storage facilities such as the Valley Pack Cold Storage and PFD Food Services calls for the highest quality of standards and attention to detail.

# ASKIN GROUP OF COMPANIES



## Matthew Green

Group General Manger

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Eastern Creek - NSW

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Edinburgh - SA

Malaga - WA

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Palmerston North - NI

Tauranga - NI  
Christchurch - SI