



Industrial Panel Australia



ROOFSPAN



A close-up photograph of a white corrugated metal roof. A rectangular vent with black slats is mounted on the roof. A small black light fixture is also visible. The background shows a clear sky and a distant horizon.

WALLSPAN



An interior view of a coldspan. The walls are white and made of vertical panels. A bright yellow door is visible on the right side. A small red and white sign is mounted on the wall. The floor is blue.

COLDSPAN

INSULATED SANDWICH PANELS

ROOFSPAN - WALLSPAN - COLDSPAN

INDUSTRIAL PANEL AUSTRALIA 'SPAN PANEL' RANGE

Industrial Panel Australia's range of insulated, fire-resistant, composite roof, wall and controlled environment 'SPAN Panels' provide a cost effective and lightweight alternative to traditional building solutions. All 'SPAN Panels' ROOFSPAN – WALLSPAN – COLDSPAN with their steel facings and PIR foam cores, are available with FM Global certification and comply with Australian building regulations.

'SPAN Panels' offer cost effective insulated wall and roof solutions for a wide range of projects including warehouses, supermarkets, bulky goods, retail outlets as well as controlled environments, commercial, industrial, educational and housing developments.

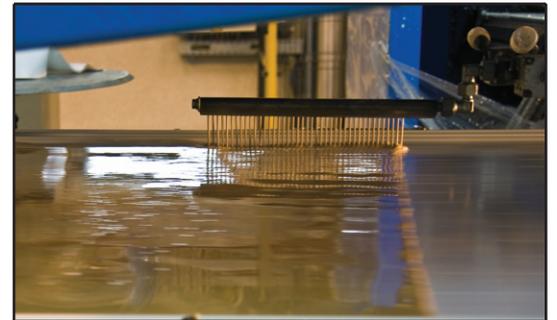
Produced at our state of the art manufacturing facility using the latest in European technology, 'SPAN Panels' are designed for the Australian environment which is demanding, diverse and at times harsh, but you have full peace of mind with the conditional up to 25 year IPA warranty.

All 'SPAN Panels' are made with G300 grade steel with AZ150 protective coating and feature FM certified fire-resistant Polyisocyanurate (PIR) foam core.

WHAT IS PIR

Polyisocyanurate (PIR) is a rigid polyurethane foam, made as all rigid polyurethanes are, by mixing two chemical streams (Isocyanate and Polyol) with appropriate catalysts and a blowing agent. PIR is one of the highest rating commercially available materials in terms of insulation and fire-resistance for buildings.

All 'SPAN Panels' are manufactured using n-pentane as the blowing agent because it has zero ozone-depleting potential.



PIR Foam Lay-Down

WHAT IS FM CERTIFICATION

FM Global is the world's leading commercial insurance body that provides client risk management through product certification systems to safeguard clients' properties.

FM Approvals test materials and carefully appraise the construction methods vital to fire protection system certification.

'SPAN Panels' are certified to FM Approvals 4880, 4881 and 4471 standards.

In order to achieve FM Certification, 'SPAN Panels' have successfully passed vigorous testing conducted at the FM Approvals laboratories in the USA including:

- Flammability Characterisation Test
- 16ft High Parallel Panel Test
- Large Scale Room Fire Test
- Static and Cyclic Pressure Test
- Flame Spread Test
- Wind Uplift Pressure Test
- Susceptibility to Foot Traffic Test
- Susceptibility to Hail Damage Test
- Surface Burning Characteristics
- Small Scale Foam Identification Test



Foam Cup Test for Raw Material Approval



INSULATED SANDWICH PANELS

Energy Efficient & Cost Effective Solutions

KEY BENEFITS IN USING 'SPAN PANELS'

Everyone is looking for more cost effective ways of building and the speed and the ease of using WALLSPAN – ROOFSPAN and COLDSPAN panels will help in ensuring you build cost effectively and reduce ongoing operating costs.

Effective Speed of Construction - 'SPAN Panels' are manufactured, cut to order and delivered to site ready for installation. This allows for faster on site assembly which can cut site time by up to 50% compared with traditional multi-part site assembled systems. This reduces on site costs and allows for earlier occupation of the building.

Lightweight Construction - the strength of 'SPAN Panels' can dramatically reduce the purlin requirements which save on materials, weight and costs.

Energy Efficient - building with 'SPAN Panels' produces thermally efficient buildings which require less cooling, lowers greenhouse gas emissions and reduces buildings energy consumption and operating costs.

Fire-Resistant - 'SPAN Panels' with PIR foam core have excellent fire safety credentials and are FM Global insurance approved as assessed by FM Approvals.

Quality Assurance - 'SPAN Panels' are manufactured in a fully ISO9001:2008 certified plant.

Environmentally Friendly - 'SPAN Panels' are made using environmentally sustainable systems to reduce lifetime carbon dioxide emissions and use n-pentane as the blowing agent which has zero ozone-depleting potential.

PACKAGING AND DELIVERY

All 'SPAN Panels' come stacked horizontally and shrink wrapped. The number of panels in a pack depends on panel thickness and the typical pack height is 1200mm.

All deliveries to the project site (unless arranged otherwise) will be by containerised road transport for safety, security and ease of handling.

ACOUSTICS

'SPAN Panels' have a predicted single figure weighted sound reduction value of $R_w = 24\text{dB}$.

PEACE OF MIND

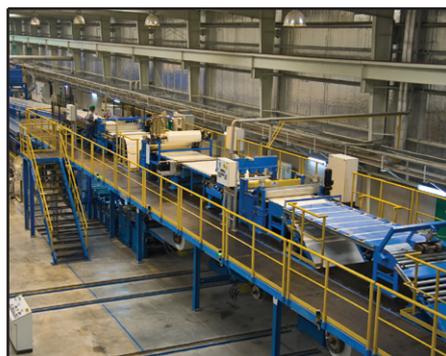
'SPAN Panel' systems are available with a conditional up to 25 year thermal and structural performance warranty.

APPLICATIONS

The 'SPAN' range of fire-resistant PIR foam cored panels offer cost effective solutions for roofing, internal and external walls and controlled environment requirements. Widely used in the construction of warehouses, retail outlets, controlled environment spaces, commercial, industrial, agricultural, educational, residential, offices and mix use developments.



Double-Belt Press



Roll Forming



Steel Decoilers

ROOFSPAN PANELS

ROOFSPAN is an FM certified, lightweight, fire-resistant and energy efficient roofing solution suitable for commercial, industrial and residential applications.

ROOFSPAN panels are a single component, factory controlled pre-engineered roofing system that combines aesthetic finish, insulation, weather sealing and simple installation in one product. With PIR foam core and 0.50mm thick internal and external steel facings, ROOFSPAN is available in a range of thicknesses, profiles and colours. It is supplied cut to length ready for installation.

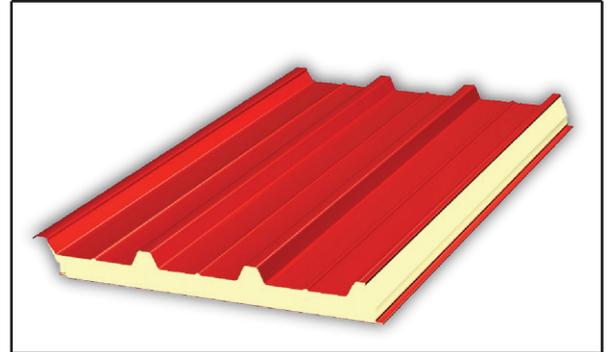
ROOFSPAN Durarib and ROOFSPAN Megarib panels are available in lengths up to 11.85m (longer lengths are available in some instances) and in thicknesses between 50mm and 150mm with thermal performance (R values) between 2.7143W/m²K and 7.4276W/m²K, providing various levels of thermal, fire and span performance to meet varying requirements and the most stringent design criteria.

Like all 'SPAN Panels' ROOFSPAN Durarib and ROOFSPAN Megarib are FM approved and provide a fire-resistant and lightweight alternative roofing solution requiring less purlins. It offers ease of installation with improved energy efficiency.

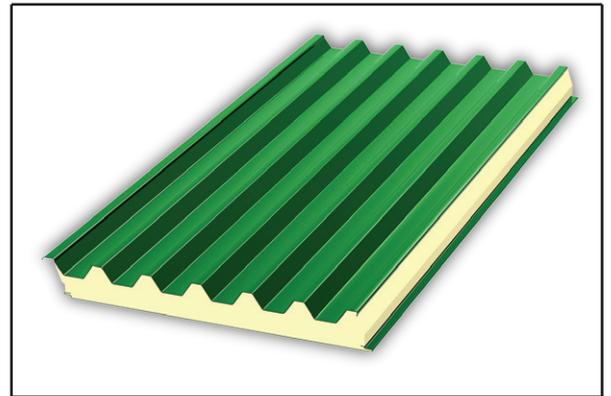
ROOFSPAN Flexirib – is a super lightweight roofing product with all the benefits of a composite panel for use where FM approval is not required. ROOFSPAN Flexirib offers a cost effective alternative to traditional solutions. Available with a 0.50mm thick steel outer facing and an aluminium foil reinforced Kraft paper inner facing.

APPLICATIONS

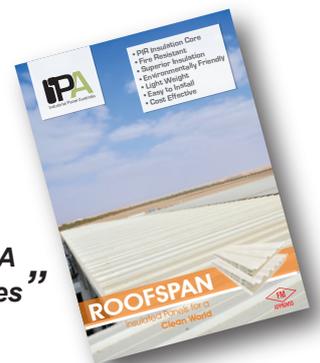
Widely used in the construction of warehouses, retail outlets, commercial, industrial, agricultural, educational, residential, offices and mix use developments.



ROOFSPAN Durarib



ROOFSPAN Megarib



**“For further information
please refer to the IPA
ROOFSPAN Brochures”**



INSULATED SANDWICH PANELS WALLSPAN PANELS

WALLSPAN PANELS

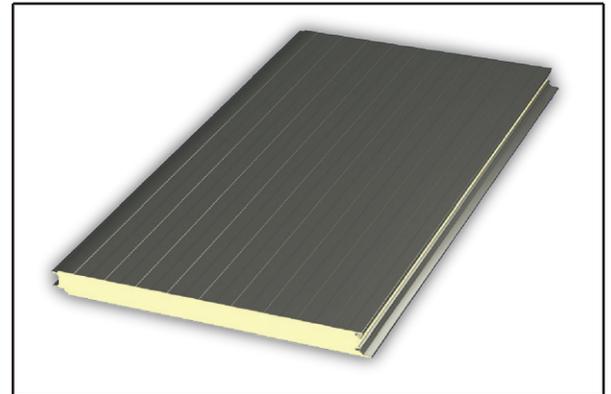
WALLSPAN is an FM certified, lightweight, fire-resistant and energy efficient solution for external – internal walls suitable for commercial, industrial and residential applications.

WALLSPAN panels are a single component, factory controlled pre-engineered system that combines aesthetic finish, insulation, weather sealing and simple installation in one product. With PIR foam core and 0.60mm external and 0.50mm internal steel facings, WALLSPAN is available in a wide range of thicknesses, profiles, colours and is supplied cut to length ready for installation.

WALLSPAN panels are available in lengths up to 11.85m (longer lengths are available in some instances) and in thicknesses between 50mm and 100mm. Thermal performance (R values) ranges from 2.3810W/m²K to 4.7619W/m²K providing various levels of thermal, fire and span performance to meet different requirements and the most stringent design criteria.

WALLSPAN panels use a secret fix joining system, can be laid vertically or horizontally and used as a cladding on a self-supporting metal frame. Like all 'SPAN Panels', WALLSPAN is FM approved.

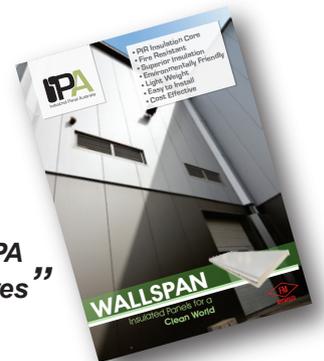
WALLSPAN Ultra - is a new generation external cladding product with 0.70mm thick flat external facings. WALLSPAN Ultra features the sleek simplicity of a flat facade. WALLSPAN Ultra can add the ultimate finishing touch and highlights to modern building design. Available in a wide variety of colours and finishes and in lengths up to 7m.



WALLSPAN

APPLICATIONS

Widely used in the construction of warehouses, retail outlets, commercial, industrial, agricultural, educational, residential, offices and mix use developments.



“For further information
please refer to the IPA
WALLSPAN Brochures”



COLDSPAN PANELS

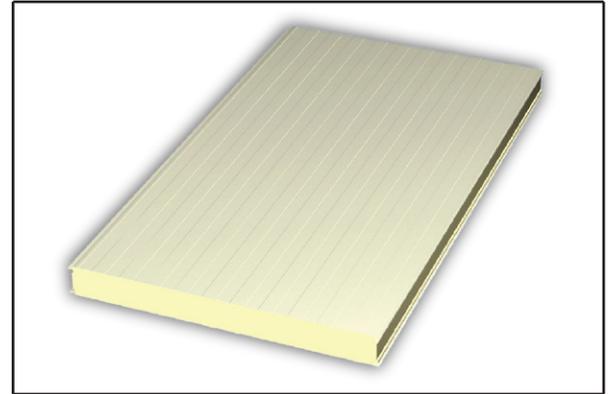
COLDSPAN is an FM certified, lightweight, fire-resistant and energy efficient insulated controlled environment panel system.

COLDSPAN panels are a single component, factory controlled pre-engineered internal wall and ceiling system that combines aesthetic finish, insulation, weather sealing and simple installation in one product. With PIR foam core and 0.50mm thick steel facings COLDSPAN is available in thicknesses between 55mm and 200mm, a range of profiles and colours and is supplied in lengths up to 11.85m (longer lengths are available in some instances) ready for installation.

COLDSPAN Thermal performance (R values) ranges between 2.6190W/m²K to 9.5238W/m²K providing various levels of thermal, fire and span performance to meet different requirements and the most stringent design criteria.

COLDSPAN panels are part of an engineered solution and can have a maximum self-supporting wall height up to 16m and maximum self-supporting ceiling span up to 8.6m. COLDSPAN panels can be used as freestanding or as a cladding on a self-supporting metal frame.

Like all 'SPAN Panels' COLDSPAN is FM approved. The use of COLDSPAN panels with their fire-resistant PIR foam core eliminates the problems that plagued early use of EPS insulated panels in food processing plants. IPA PIR panels do not propagate to fire and the ease of installation, improved energy efficiency and variety of optional skin coatings make them the ideal choice for a wide range of applications.

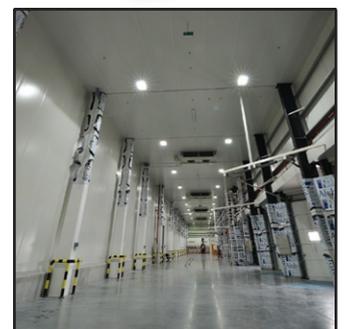


COLDSPAN

APPLICATIONS

COLDSPAN panels are ideal for cool rooms - cold stores - freezers - controlled environments - clean rooms - laboratories - food processing centres - warehouses - food handling and preparation areas and internal 'box within a box' applications.

“For further information please refer to the IPA COLDSPAN Brochures”



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