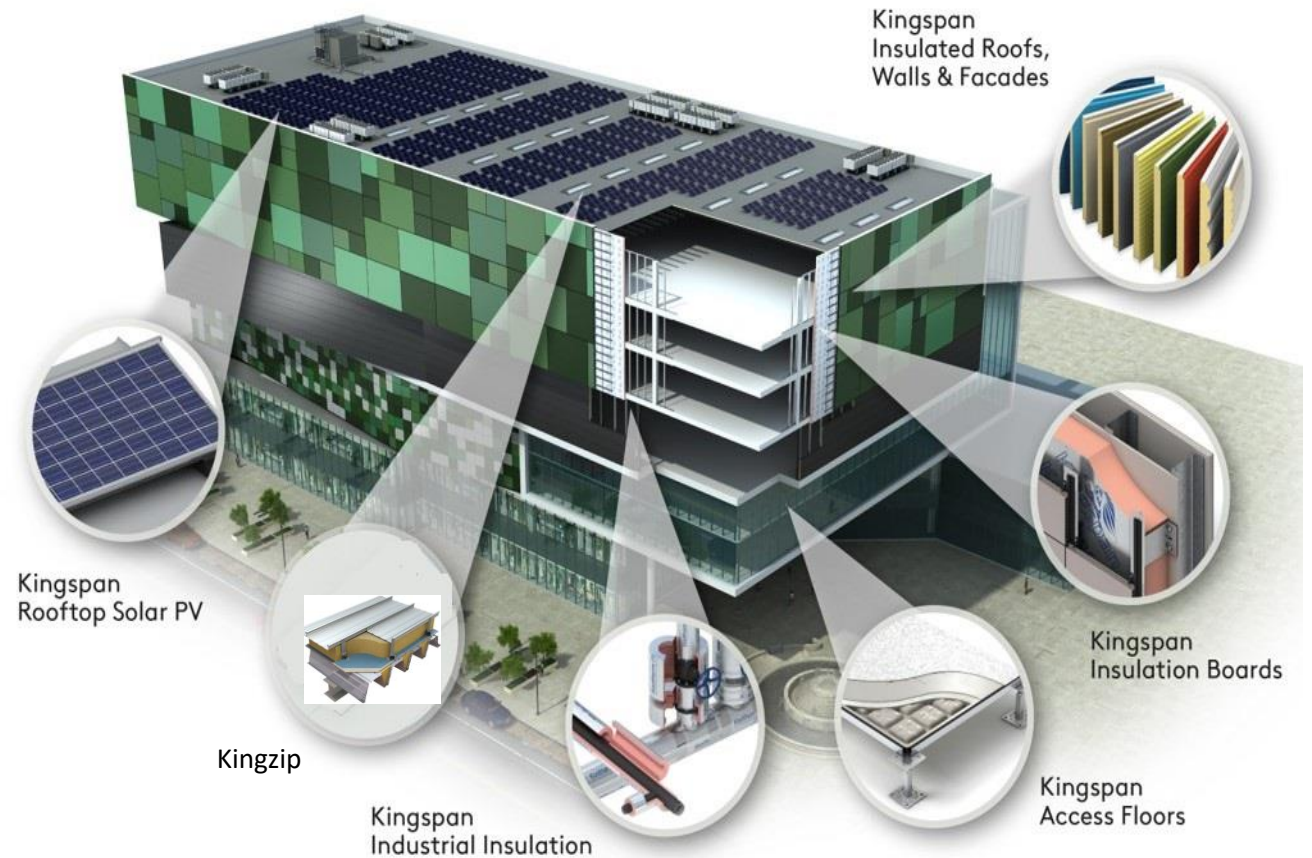


Kingspan Jindal Company Profile



Kingspan Group

- A world leader in building systems and solutions including, high performance insulated envelope systems, insulation, raised access floors, lighting, ventilation and integrated renewable technologies.
- Focus on delivering sustainable, energy efficient, low carbon and healthy building solutions for the global construction and property industry.



Kingspan At a Glance

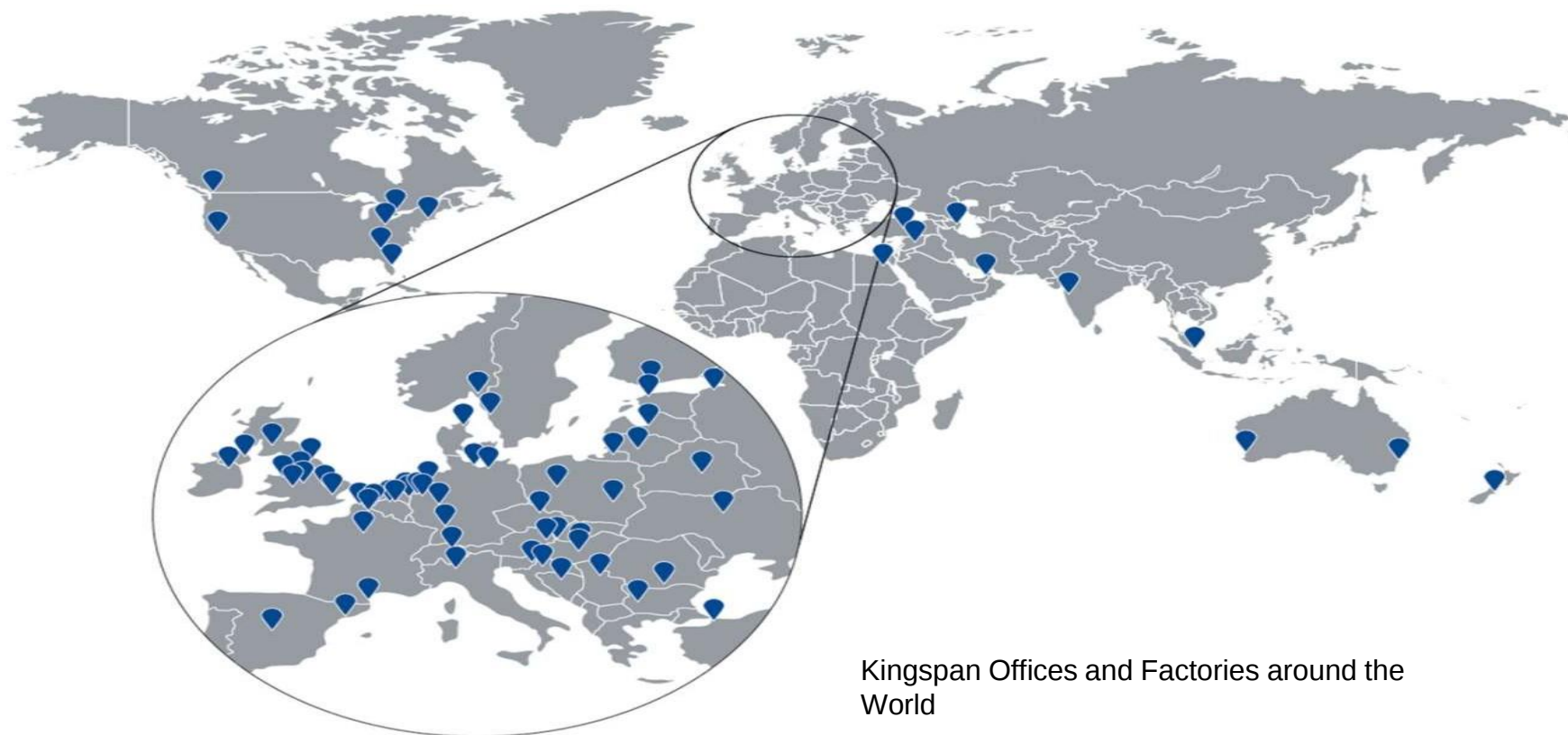
100+
Business
Locations

20+
Technical Design
Centres

111+
Manufacturing
Facility

4.4 €Billion
Turnover in
2018

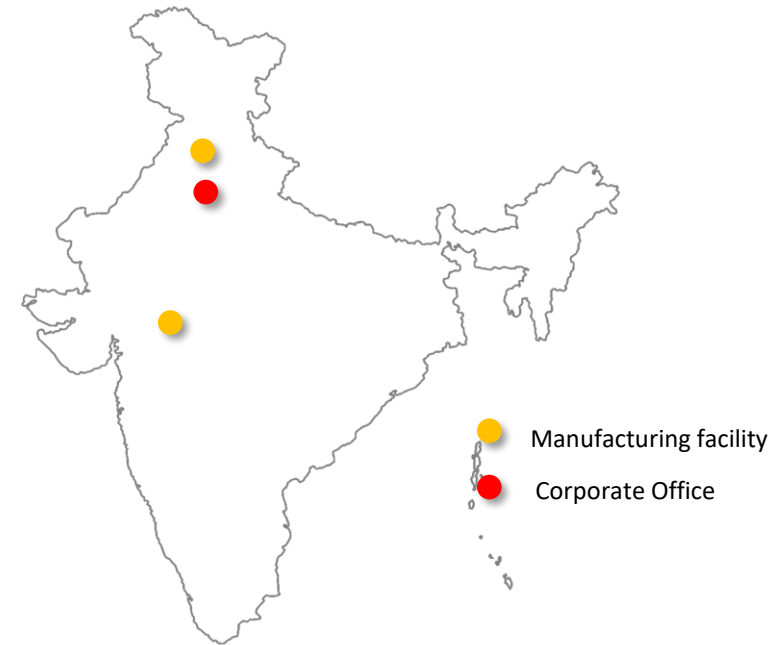
12,000+
Employees
Worldwide



Kingspan Offices and Factories around the
World

Kingspan Jindal Overview

- A joint venture of Kingspan plc and Jindal Mectec Pvt. Ltd, based in Gurgaon, Haryana.
- India's leading manufacturer of high-performance insulated panels and building envelope systems.
- Wide product portfolio utilizing Kingspan's proprietary insulation core technologies and building technology know-how.
- Highly advanced continuous line manufacturing units located at Nalagarh, Himachal Pradesh and Pithampur, Madhya Pradesh.
- Offers the widest range of insulated roof, wall and façade panel products pan-India.



- We offer full, end-to-end customer service, including:
 - technical support package providing building envelope design, specification, performance, BIM construction details, project cost plan inputs; and
 - specialist installer / contractor selection, training and on-site support.

Kingspan Jindal's Approach

Early planning of the building envelope makes sense. By adopting an energy saving strategy, buildings deliver an optimal insulation performance, superior airtightness and excellent moisture control. Buildings become more energy efficient and produce less carbon..



Market Sectors



Our Product Portfolio

- High Performance Insulated Panels (PUR,PIR,Mineralwool)
- Clean Room System
- Doors
- Architectural Roofing -KingZip
- Facade and Dri Design System
- Daylite and Safety Systems
- Polycarbonate Roof and Wall Lights



High Performance Insulated Panels

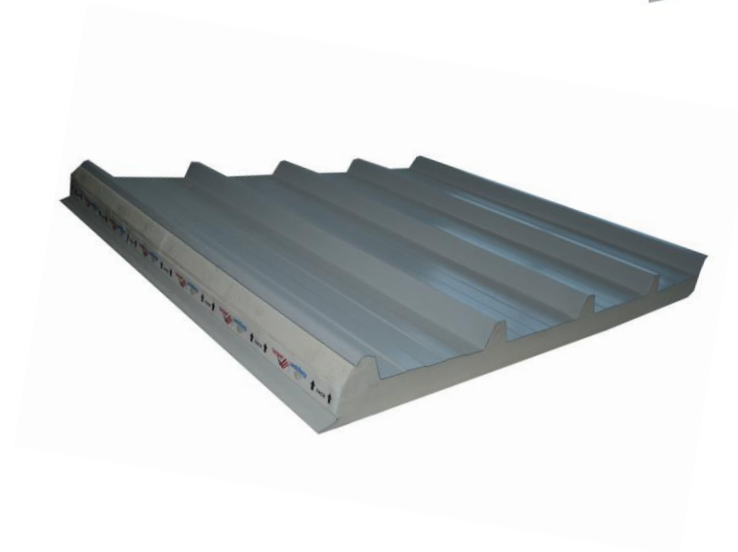
PUR (Polyurethane Panels):-

PUR is most popular, widely used, ideal insulator. Like other light polymers with cell structure, the polyurethane has excellent thermal insulation properties. Its nominal thermal conductivity ranks it among the most effective materials for thermal insulation. It also has good compression resistance and dimensional stability at high temperature range – from -30° to $+80^{\circ}$ C.



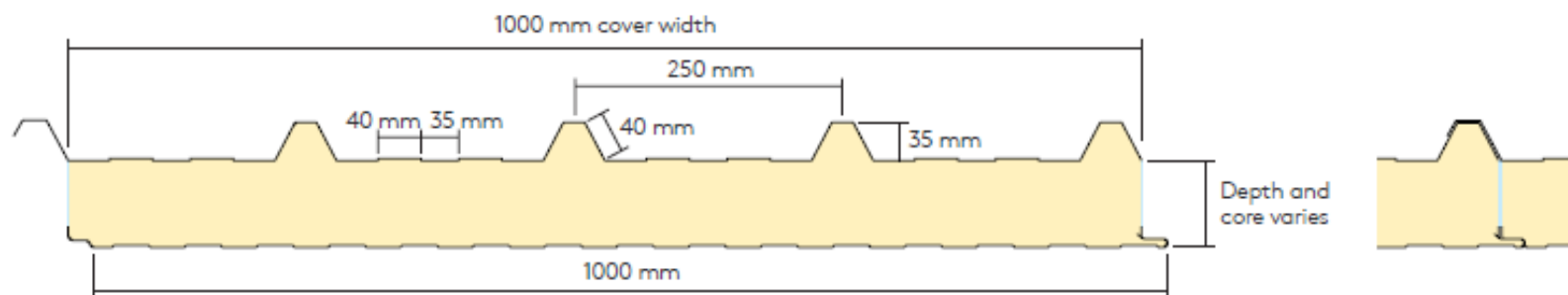
PIR (Polyisocyanurate Panels):-

PIR Offers higher fire rating and is non-ignitable. Better closed cell structure offered by trimerization process offers better thermal performance. It is CFC Free, longer lasting, hygienic and food safe. Ideal for Cold Rooms, Clean Rooms etc.



High Performance Insulated Roof Panels (Strupan)

Product Profile



Specification

Profile:	Insulated trapezoidal roof panel with 35 mm deep profile
Fixing Detail:	Mechanical fixing is through top of rib to structural supports
Metal Type:	Steel (galvanised or galvalume)
Application:	Suitable for outer roofs having slope 1:15 (4°) or more or wall cladding
Lengths:	Standard Length up to 12 metres. Longer lengths available on request
Cover Width:	1000 mm
Seals:	Site applied weather and air seal

Dimensions, Weight and Thermal Performance

KJ1000 RW Strupan								
Core Thickness (mm)	25	30	40	50	60	80	100	120
Overall Thickness (mm)	60	65	75	85	95	115	135	155
U-value (W/m²K)	0.72	0.62	0.49	0.40	0.34	0.26	0.21	0.18
R-value (W/m²K)	1.39	1.61	2.04	2.48	2.91	3.78	4.65	5.52
Weight (kg/m²)	8.10	8.30	8.70	9.10	9.50	10.30	11.10	11.90

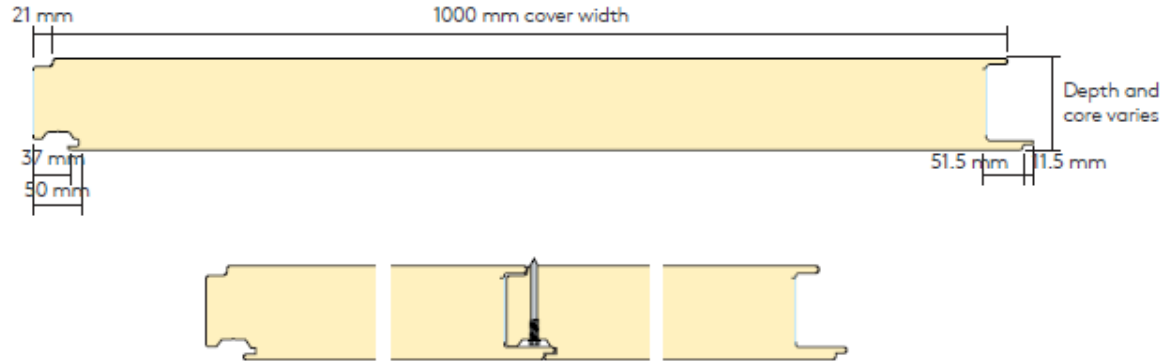
Above panel has external substrate of colour coated painted steel 0.45 mm thick and internal steel substrate 0.3 mm thick. Internal steel facing is painted white as standard in Kingspan Jindal CLEANsafe 15. Optional internal facing is plain aluminium foil or kraft paper subject to minimum order size.

U-value has been calculated using the method required by the appropriate National Building Regulations.

*National Standard India.

High Performance Insulated Wall Panels (Isoclad)

Product Profile



Specification

Profile:	Architectural wall panel with lightly profiled surface offering a range of mini profiles
Fixing Detail:	Secret-fix appearance (hidden primary fasteners)
Metal Type:	Steel (galvanised or galvalume)
Application:	Suitable for wall cladding, partitions and facades in vertical or horizontal layout formations
Lengths:	Standard Length up to 12 metres. Longer lengths available on request
Cover Width:	1000 mm
Seals:	Site applied weather and air seal

Dimensions, Weight and Thermal Performance (based on Kingspan Jindal PUR/PIR insulation)

	KJ1000 Isoclad					
Core Thickness (mm)	30	40	50	60	80	100
Overall Thickness (mm)	30	40	50	60	80	100
U-value (W/m²K)	0.77	0.58	0.46	0.38	0.29	0.23
R-value (W/m²K)	1.30	1.74	2.17	2.61	3.48	4.35
Weight (kg/m²)	7.82	8.22	8.62	9.02	9.82	10.62

Above panel has external substrate of colour coated painted steel 0.45 mm thick and internal steel substrate 0.3 mm thick. Internal steel facing is painted white as standard in Kingspan Jindal CLEANsafe 15. Optional internal facing is plain aluminium foil or kraft paper subject to minimum order size.

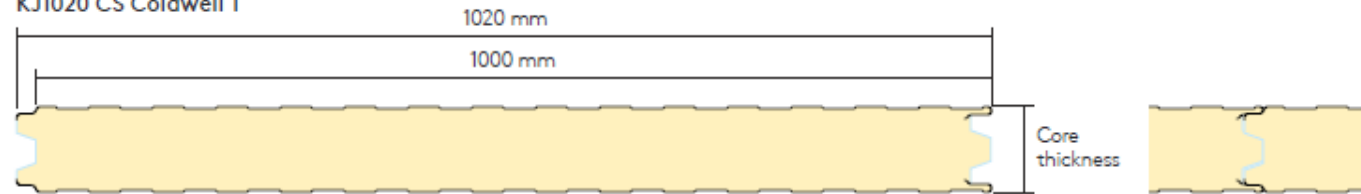
U-value has been calculated using the method required by the appropriate National Building Regulations.

*National Standard India.

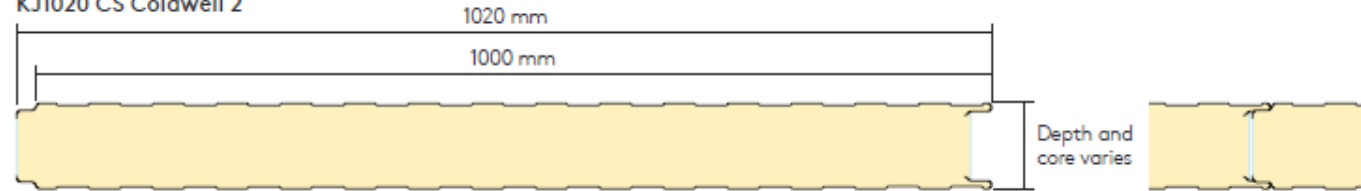
High Performance Insulated Wall Panels (Coldwell 1 and 2)

Product Profile

KJ1020 CS Coldwell 1



KJ1020 CS Coldwell 2



Specification

Profile:	Insulated panel with tongue and groove joints
Fixing Detail:	Tongue and groove interlocking and sealed joints
Metal Type:	Steel (galvanised or galvalume)
Application:	Suitable for partitions, walls and ceilings (can also be used as a Karrier system for facades)
Lengths:	Standard Length up to 15 metres. Longer lengths available on request
Cover Width:	1000 mm
Seals:	Site applied weather and air seal

Dimensions, Weight and Thermal Performance

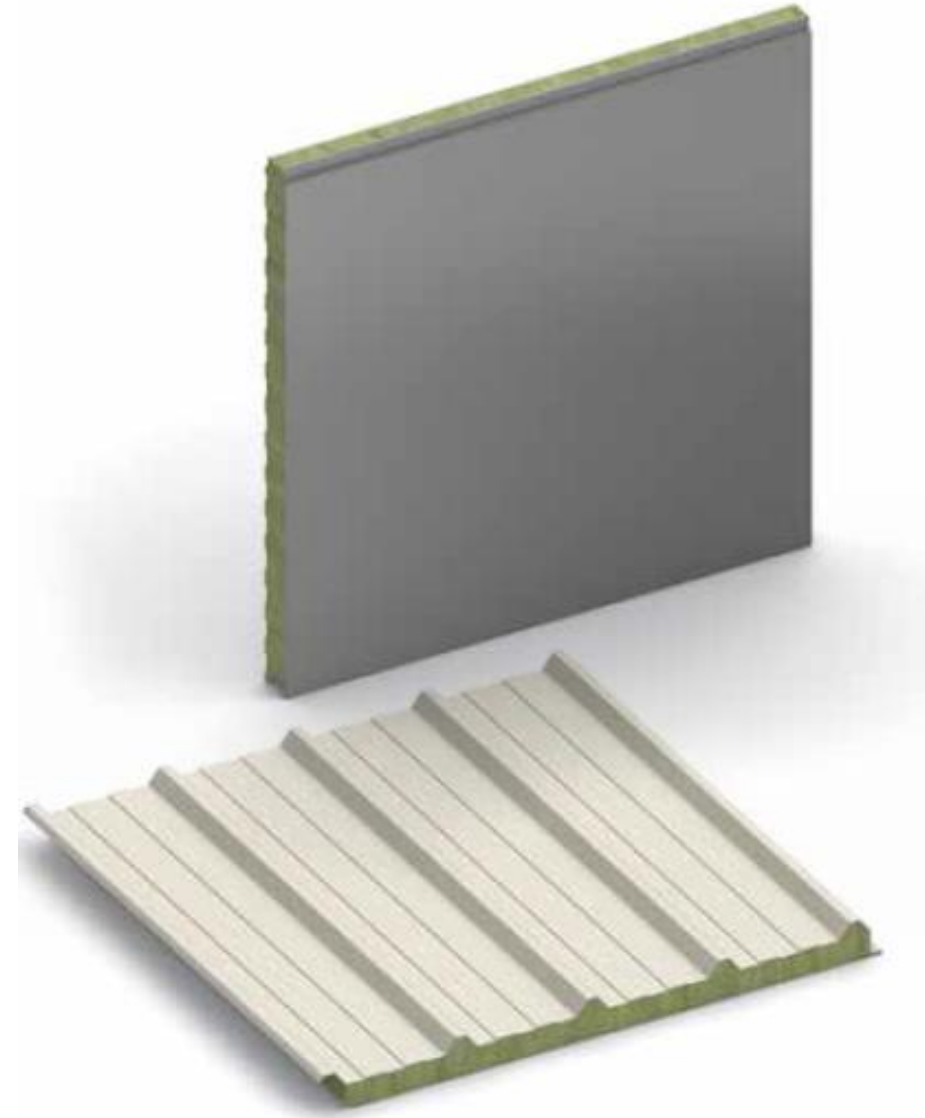
	KJ1020 CS Coldwell 1						KJ1020 CS Coldwell 2			
Core Thickness (mm)	30	40	50	60	80	100	80	100	120	150
Overall Thickness (mm)	30	40	50	60	80	100	80	100	120	150
U-value (W/m²K)	0.54	0.46	0.39	0.31	0.25	0.20	0.25	0.20	0.15	0.13
R-value (W/m²K)	1.85	2.17	2.56	3.23	4.00	5.00	4.00	5.00	6.67	7.69
Weight (kg/m²)	9.40	9.90	10.50	11	11.70	12.50	11.70	12.50	13.50	14.60

U-value has been calculated using the method required by the appropriate National Building Regulations.

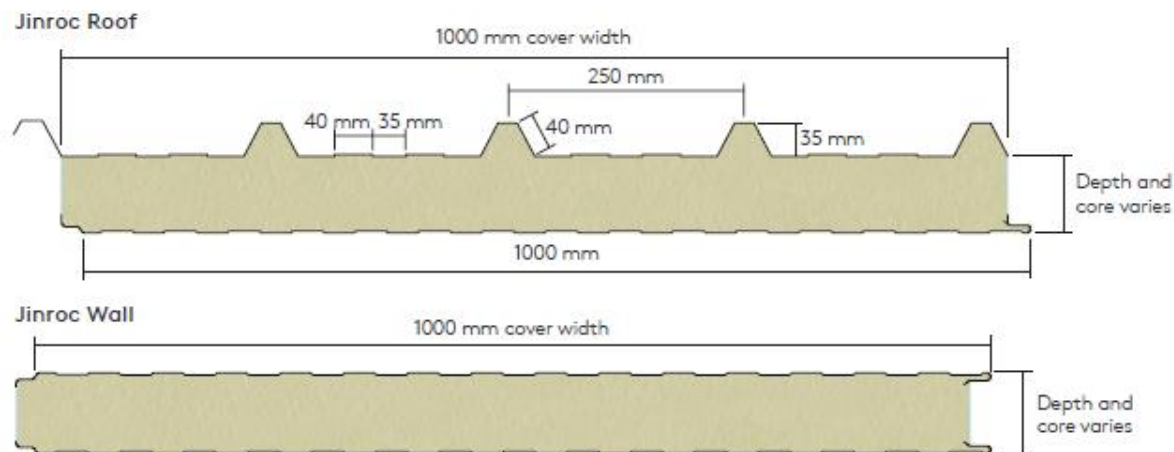
*National Standard India.

Mineralwool Panels:-

It is naturally occurring fibre with very high temperature resistance properties. It is fireproof, water repellent & Non-capillary. It has good compressive and tensile strength, thus making the Panels strong and stable. Rock wool panels have excellent acoustic property. Ideal for Partitions, Internal walls, Acoustic Insulation, and FR & HT applications for Power Plants etc.



High Performance Mineralwool Panels



Specification

Profile:	Insulated trapezoidal roof panel with 35 mm deep profile. Insulated wall panel with tongue and groove fixing provision
Fixing Detail:	Tongue and groove fixing with mechanical fixing with structure support from outer sheet. Mechanical fixing is through top of rib to structural supports
Metal Type:	Steel (galvanised or galvalume)
Application:	Suitable for roofs, partitions, façades, ceilings and cladding
Lengths:	Transportable lengths limited to 12 metres
Cover Width:	1000 mm
Seals:	Site applied weather and air seal

Dimensions, Weight and Thermal Performance (based on Jinroc mineral fibre)

	Kingspan Jindal Jinroc Roof Panels						Kingspan Jindal Jinroc Wall Panels					
Core Thickness (mm)	50	60	80	100	120	150	50	60	80	100	120	150
Overall Thickness (mm)	85	95	115	135	155	185	51-52	61-62	81-82	101-102	121-122	151-152
U-value (W/m²K)	0.70	0.60	0.46	0.37	0.31	0.25	0.80	0.67	0.50	0.40	0.33	0.27
R-value (W/m²K)	1.43	1.68	2.18	2.68	3.18	3.93	1.25	1.50	2.00	2.50	3.00	3.75
Weight (kg/m²)	14.67	15.67	17.67	19.67	21.67	24.67	13.36	14.36	16.36	18.36	20.36	23.36

Kingspan Jindal Mineral Fibre Strupan Roof and Wall panels with 0.5 mm thick steel on both sides.
U-value has been calculated using the method required by the appropriate National Building Regulations.
*National Standard India.

- 1) Improved Thermal and Acoustic Insulation.
- 2) Used as a structural insulation panel eliminating the need to masonry construction.
- 3) Closed cellular structure -inherently water resistant.
- 4) Available in any length depending on transport logistics.
- 5) Energy Saving
- 6) External and Internal facing is the best effective vapor barrier and can be washed and disinfected.
- 7) All weather proof and long life.
- 8) Self-extinguishing property avoids spread of flame.
- 9) Resistant to corrosion, termites, physical impact and fungus.
- 10) CFC Free and zero ozone depletion property.

Project Snapshot

Adani Solar PV Manufacturing, Mundra, Gujarat



Lucknow Metro Rail Corporation, Lucknow UP



BHEL, Agra UP



Hero Motors, Neemrana, Rajasthan



Nestle R & D centre , Manesar



Dabur India, Tezpur



Commonwealth Games, New Delhi



Madhusilica, Bhavnagar, Gujarat



G+2 Library Building, Betiah Medical College



Cold Storage, Manesar, Haryana

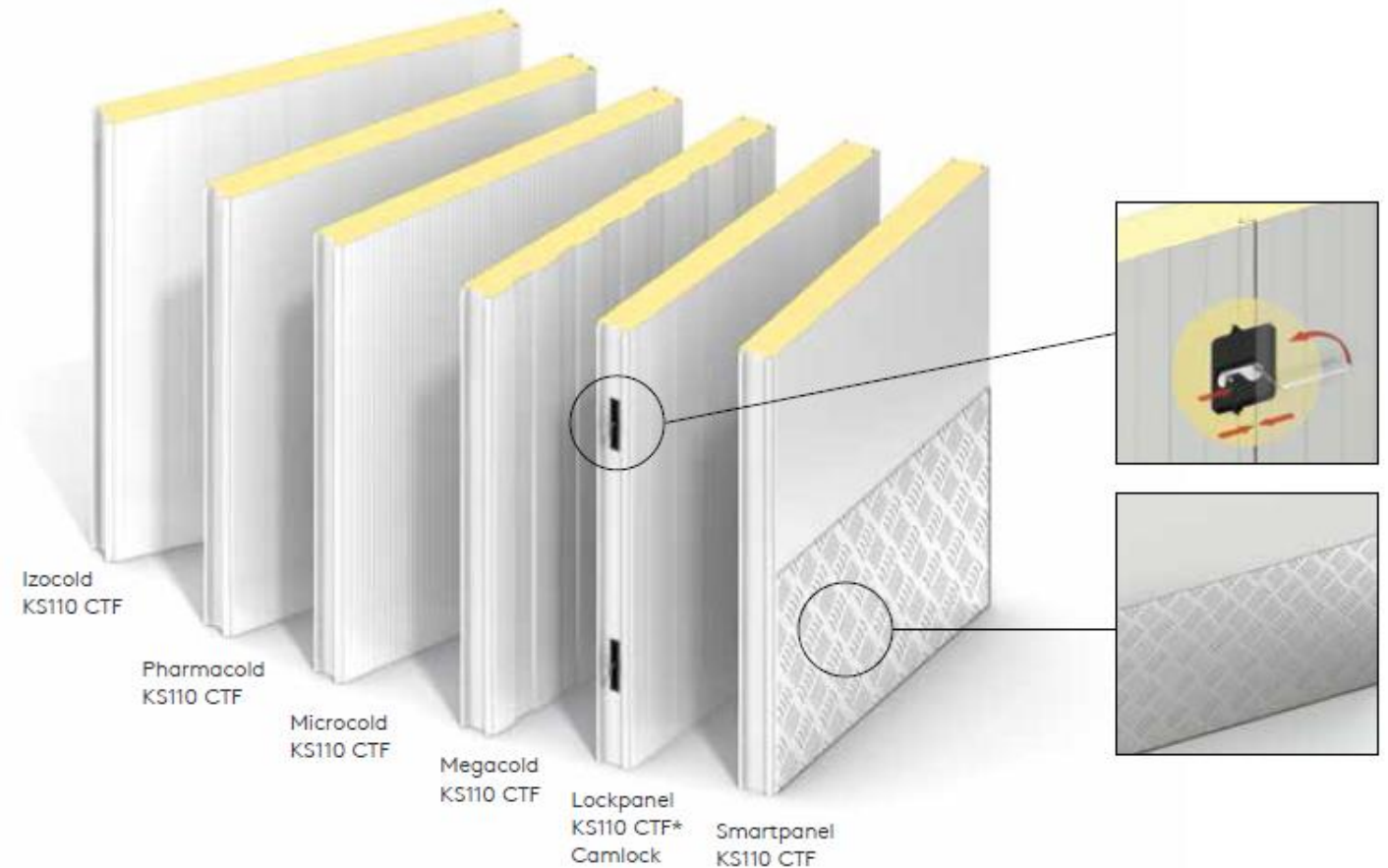


FM Approved Cold Storage System KS1100CTF

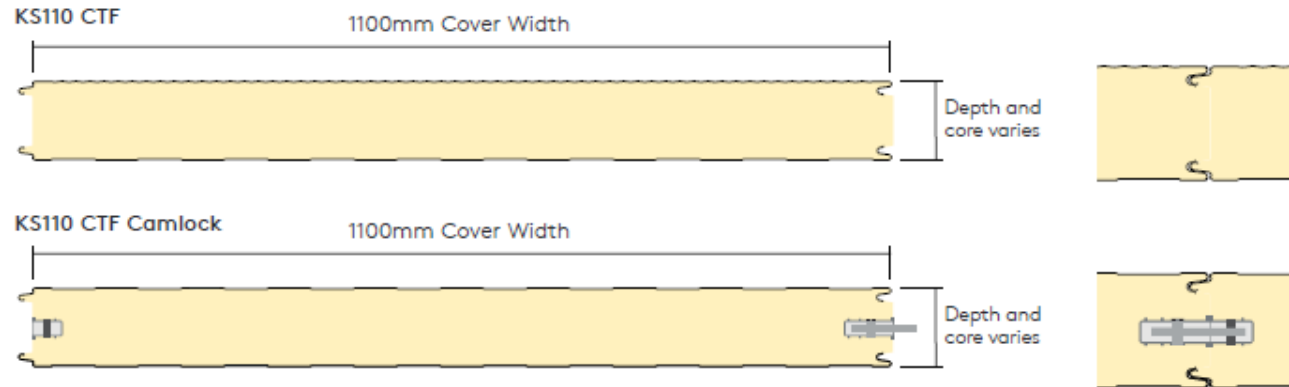
The KS1100 CTF is a wall and ceiling insulated panel system which is suitable for all types of buildings where there are low internal temperature conditions.

Kingspan Jindal Controlled Environment panels are designed for use within temperature controlled and hygiene safe environments, such as food processing, freezers, pharmaceutical, cold / chill store and cleanrooms.

These FIREsafe, hygienic and FIBREfree insulated panel systems are suitable for internal and external walls and ceilings, including internal 'box-within-a-box' applications. The innovative joint system is designed to withstand high pressure washing and regular cleaning; preventing water ingress and minimising potential bacteria growth.



Product Profile



Product Features

Profile:	Izocold, Pharmacold, Microcold, Megacold
Metal Type:	Steel / stainless steel
Application:	Suitable for internal and external roofs, walls and ceilings including internal 'box within a box' applications. Designed for installations with temperature range from -40°C to ambient
Lengths:	From 2 m to 11,9 m*
Cover Width:	1100 mm
Fire Rating:	KS110 CTF Izocold, Pharmacold, Microcold, Megacold and Lockpanel are FM approved. KS110 CTF Izocold, Pharmacold, Microcold and Megacold are LPCB approved for 150 mm and 200 mm thicknesses

*11,9 m for container transport, 13,5 m for truck.

Dimensions, Weight and Thermal Performance

KJ1100 CTF										
Core Thickness (mm)	40***	45***	60***	80	100	120	140 [†]	150	170 [†]	200
Overall Thickness (mm)	50	44	33	25	20	17	14	13	12	10
U-value (W/m²K)	0,50	0,44	0,33	0,25	0,20	0,17	0,14	0,13	0,12	0,10
R-value (W/m²K)	2,00	2,27	3,03	4,00	5,00	5,88	7,14	7,69	8,33	10,00
Weight (kg/m²) 0,5 steel / 0,5 steel (KS110 CTF)	11,03	11,26	11,69	12,53	13,36	14,20	15,04	15,45	16,29	17,54
Weight (kg/m²) 0,5 steel / 0,5 steel (KS110 CTF Camlock)	-	-	-	12,53	13,36	14,20	-	15,45	16,25	17,54

U-value has been calculated using the method required by the appropriate National Building Regulations.

Project Snapshot

Cold Storage, Turkey



Cold Storage, Australia



Cleanrooms

Our Clean Room Partition System is designed for practicality and ease of construction. The system can be integrated with new or existing systems to build a clean room environment.

The Modular Clean Room Wall and Ceiling System are perfect for today's demands within Electronics, Automotive, Pharmaceutical industry & R & D and Containment Labs.

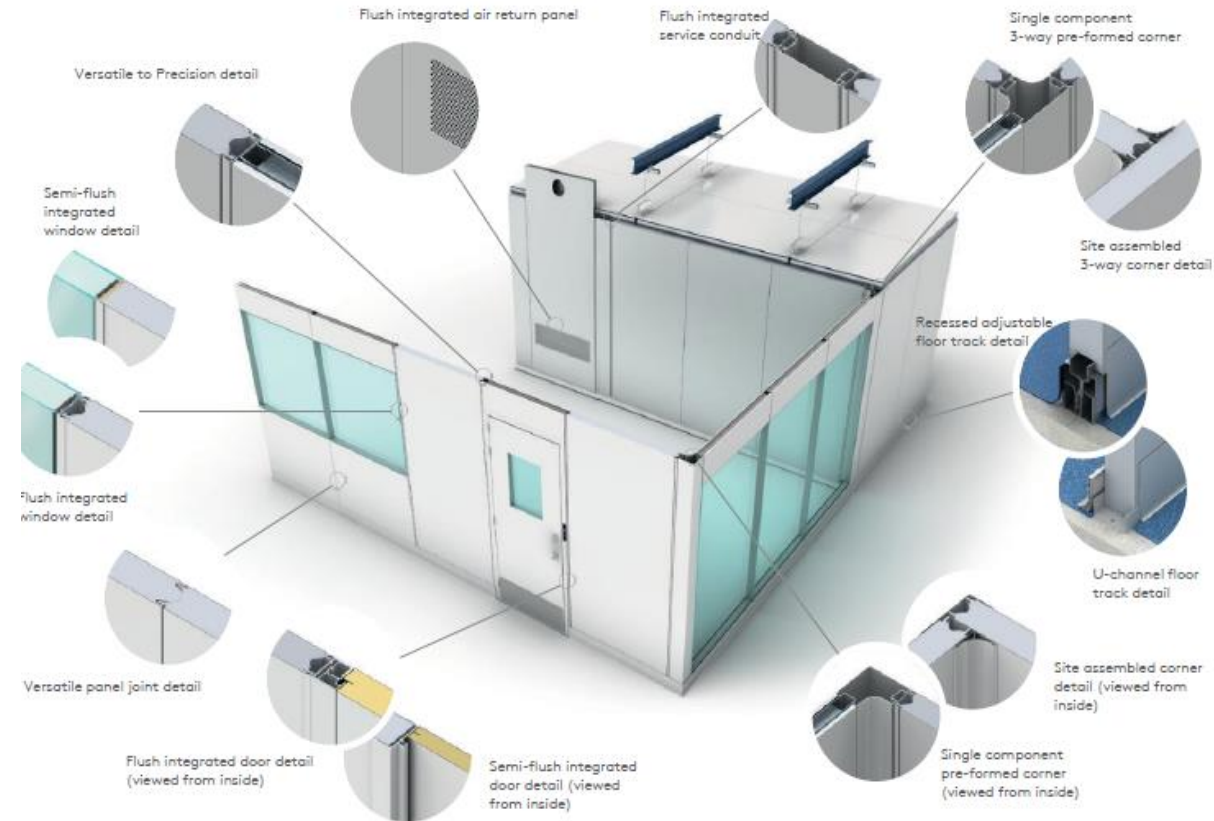
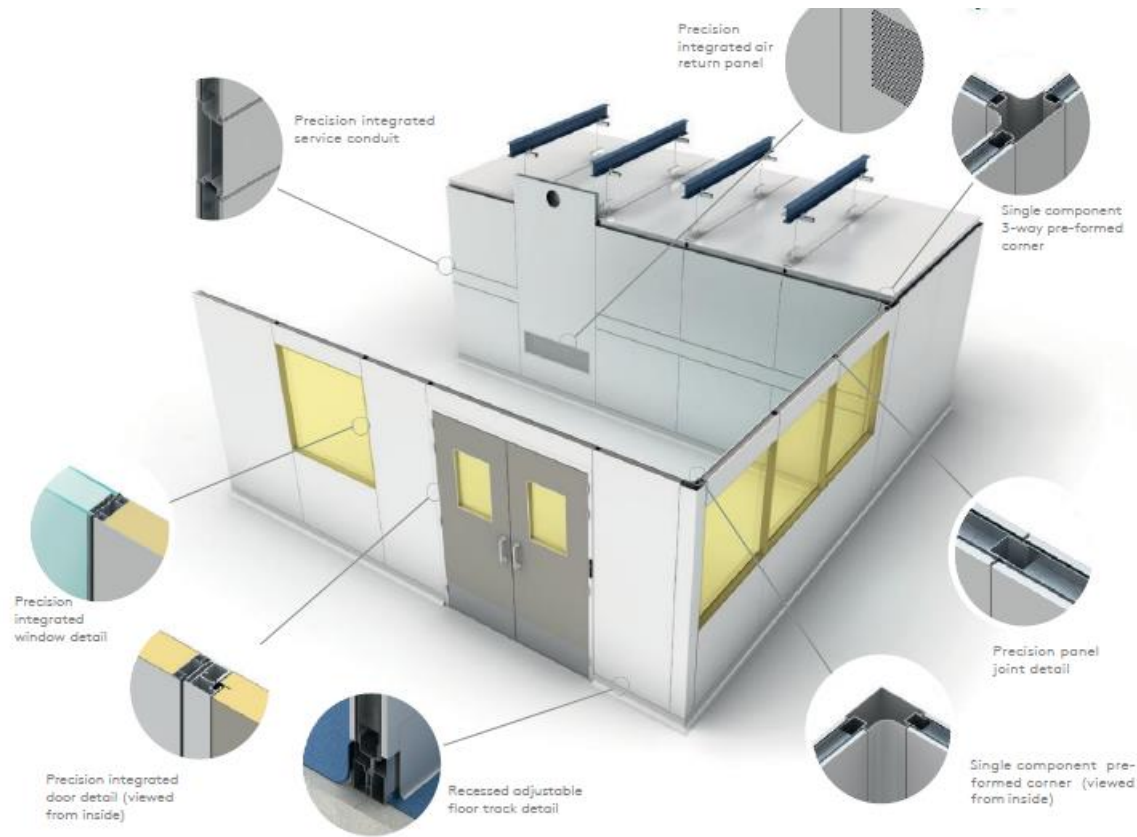
- 1) Clean Room Precision
- 2) Clean Room Versatile.



Cleanrooms



Ultratech Precision and Versatile



Doors for Clean Room and Cold Room Application

Kingspan Jindal manufactures double skin metal doors for the use in cleanrooms and Cold-rooms. These doors are galvanised/stainless steel sheet with the locked formed edge with various infill options as mentioned below:-

- Mineralwool
- Paper Honeycomb
- PUR/PIR



Architectural Roofing -KingZip

Kingzip Architectural building envelope solutions offer you the freedom to combine functionality and place-making with stunning aesthetics to create truly extraordinary buildings.

Variety of finishes and coatings are available to suit the architectural designs.

This Kingzip panels are manufactured on site using mobile facilities that can be deployed anywhere in the world. This enables your design requirements to be fulfilled in terms of aesthetics , specification, performance and construction.



Architectural Roofing



On-Site roll form

Manufactured on site using mobile facilities that can be deployed anywhere in the world. This enables your design requirements to be fulfilled in terms of aesthetics, specification, performance and construction.



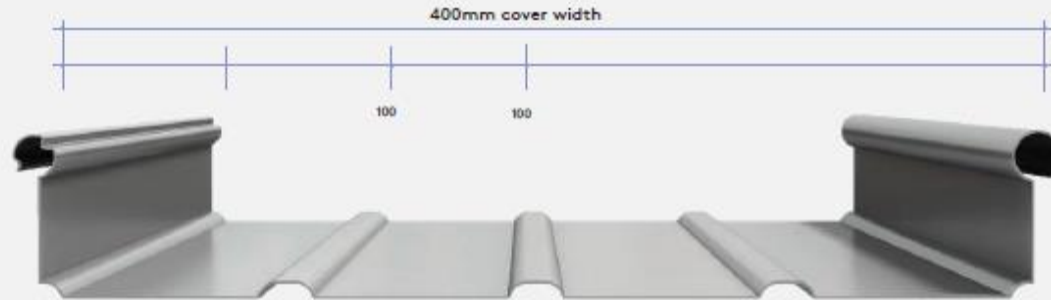
Acoustic Performance

Acoustic performance is a key requirement on many projects, especially public use buildings. KingZip systems have the flexibility to meet the acoustic performance specification for any building.

- Airport Roofing
- Convention centres
- Auditorium
- Stadiums
- Railway Stations



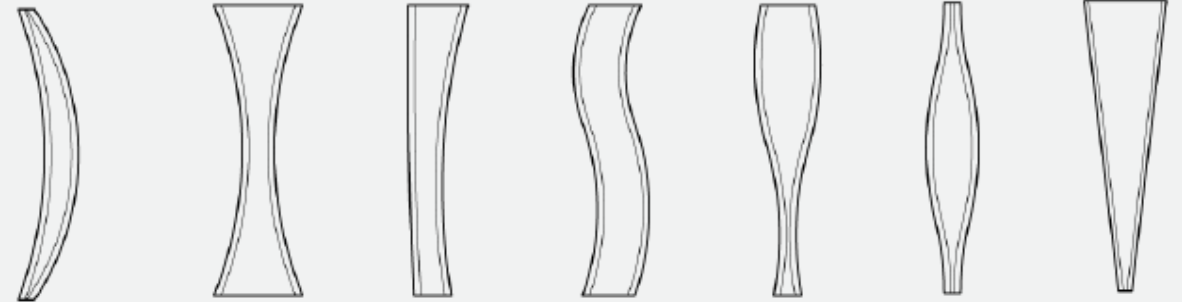
KingZip Linea and KingZip Infiniti



Note: Dimensions are nominal. Actual dimensions will vary due to manufacturing tolerances. Precise dimensions must always be measured from actual samples. All dimensions in millimetres.

Product Overview

KingZipLinea enables you to realise building envelope designs with total flexibility, creating technically perfect angular, convex, concave and tapered architectural forms. KingZipLinea is manufactured on-site, from 1 metre up to 150 metres, allowing envelopes to be constructed using very long sheet lengths, eliminating the need for any endlaps and considerably increasing speed of construction.



Note: Dimensions are nominal. Actual dimensions will vary due to manufacturing tolerances. Precise dimensions must always be measured from actual samples. All dimensions in millimetres.

Product Overview

KingZip Infiniti offers you unprecedented freedom to create extraordinary geometric 3D buildings with complex shapes and forms –taking design and construction of the building envelope to the new levels.

Advantages of KingZip

- Weatherization and Durability
- Thermal and Airtightness Performance
- Acoustic Performance
- Sound Reduction- R_w Value from 36db to 50 db
- Structural Liner Decks and Trays for wide variety of span requirements
- Manufactured and Supplied under ISO 140001:2004
- Wide range of Vapor Control Layer
- Good Fire Performance

Project Snapshot

Queens Alia Airport



Project Snapshot (India)



Facades by Kingspan Jindal

Facades by Kingspan Jindal provides architects, designers and building owners with the tool to create landmark buildings with all the aesthetics of leading, cutting edge design coupled with highest thermal performance, fire protection and technical functionality.

These are high quality, bespoke architectural insulated panels.

Dri Design:-

Dri Design tapered cassettes can be angled in any direction with varying depth and degree of slope. With all Dri design , the Tapered cassettes is a patented design that install much faster than any other system . There is no seals or gaskets, so it is easily maintained.



Advantages of Kingspan Jindal Facades

- Strong and Durable
- Corrosion resistance
- 100% recyclable
- Better aesthetics
- Excellent durability and lifespan
- Minimum maintenance



Dri- Design Range



Dri- Design Tapered

Dri-Design Tapered cassettes can be angled in any direction with varying depths and degree of slope. This freedom to design each specific cassette gives you an unlimited capacity to create a dynamic, one-of-a-kind surface on nearly any façade, without the need to modify the substrate or weather barrier.



Dri- Design Perforated

Dri-Design Flat, Tapered and Shadow patented design cassettes can be perforated using advanced computer based manufacturing to create complex images using perforations.



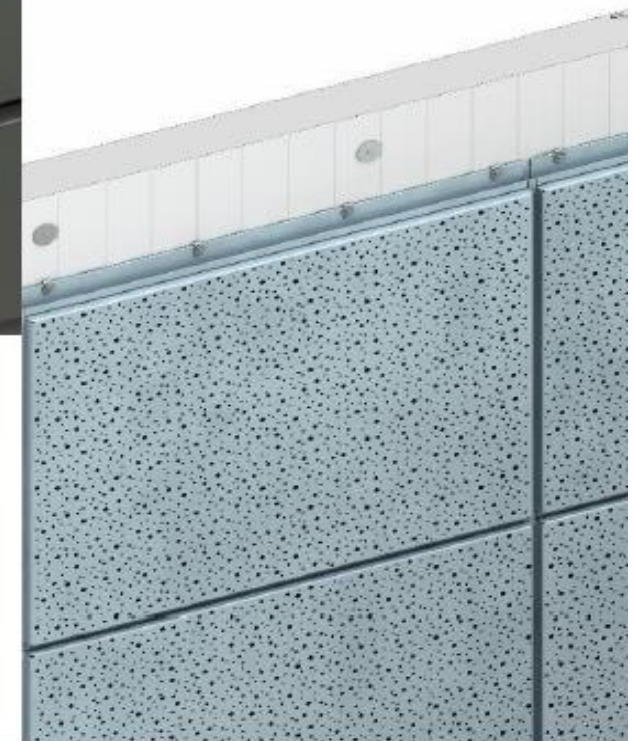
Dri- Design Flat

Dri-Design Flat patented design installs at least twice as fast as most comparable systems and can be direct fix or ventilated cavity cassettes.

No sealants, gaskets or butyl tape in the cassette joints, means no dirty streaks or a legacy of maintenance for the building owner.

Dri- Design Shadow

Dri-Design Shadow cassettes let you add depth and definition to any architectural design. Individual panels can be extended at varying depths to create texture or a dynamic variation in patterns, all while keeping the substrate and weather barrier in the same plane.



Project Snapshot

Millwood's Library, Canada



Spring Street, Long Beach, CA



Our Daylight and Smoke management system maximise the benefits of natural light, bring fresh air into your building and reduce energy consumption with LED.

A healthy internal building environment, including the supply of fresh air and quality daylight, is imperative to the well-being of building occupants. Safety is another vital building feature. We enable all of these key health and safety elements, through our provision of daylighting, natural ventilation and smoke management solutions.

Energy Efficient
Daylight



Comfort
Natural Ventilation



Integrated
Service & Maintenance



Safe
Smoke Management
Systems



Sustainable
LED



Global
Broad Geographical
Footprint



KS1000 DLTR



INSULATED PANEL SYSTEMS

Wall Systems
Roof Systems
Fall Protections Systems
Daylighting Solutions
Fabrications

KS700DLK, KS1400DLK, KS1500DLK & KS2750DLK



INSULATED PANEL SYSTEMS

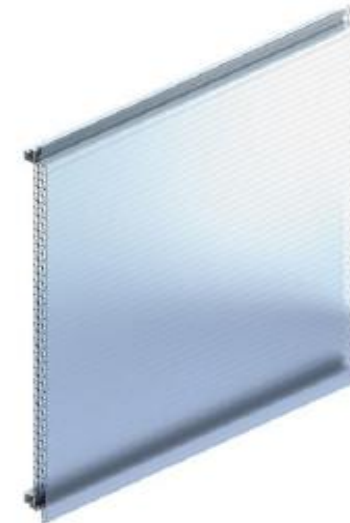
Wall Systems
Roof Systems
Fall Protections Systems
Daylighting Solutions
Fabrications

KS1000 DLAWP



INSULATED PANEL SYSTEMS

Wall Systems
Roof Systems
Fall Protections Systems
Daylighting Solutions
Fabrications





Safetraxx

Safetraxx is a robust and discreet personal fall protection system. Safetraxx comprises a high-grade, precision-extruded, aluminium rail, designed to be fixed in a variety of different roof locations.



FrogLink

A revolutionary all-in-one unit, Froglink is a stainless steel, surface-mounted height safety system designed to attach to all metal profiles with a single row of attachment holes. This unique configuration makes it a fast simple unit for installation.

Froglink's dynamic design reduces the load back onto the structure and person attached to the anchor.

Safe Pro 2

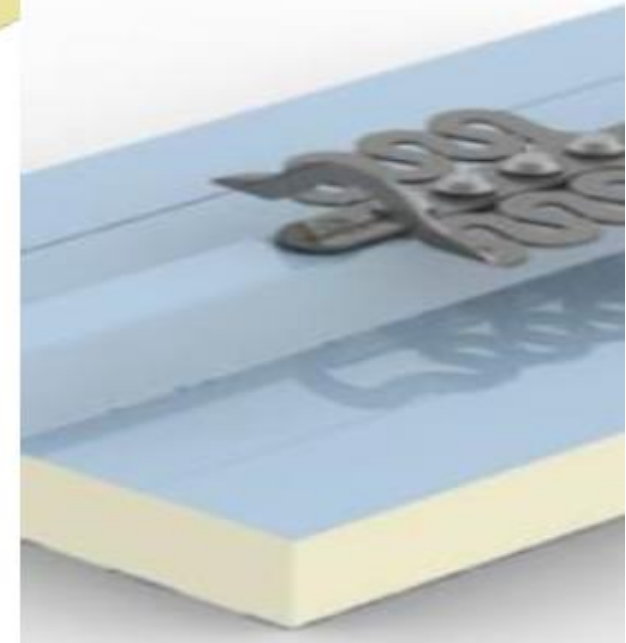
SafePro2 is an innovative personal fall protection system, designed to protect both the worker and the roof to which the system is fixed. SafePro2 comprises a high-strength stainless steel cable, supported on energy-absorbing roof anchor posts.

Saferidge

Saferidge is a unique personal fall protection system which is integrated into the roof apex cap detail.

Saferidge comprises a high-grade precision-extruded aluminium rail, factory-fitted to a steel apex cap, which is a bespoke fabrication for each roof.

It is designed to dissipate fall arrest forces across a wide roof area, minimising potential damage to the roof in a fall arrest event.



Our Valued Client:-





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Contact no – 0124- 4393200/ 4393300
E-mail- sales@kingspanjindal.com

www.kingspanjindal.com