

CATEGORY

**BUILDING SYSTEMS**



PRODUCT / TECHNOLOGY



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Technology Detail

**INSULATED PUR, PIR, MINERALWOOL, IPN/ QUADCORE PANELS**

*Alternate to conventional bricks/blocks masonry wall  
& non-load bearing roof.*



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Video

**CONTACT DETAILS**

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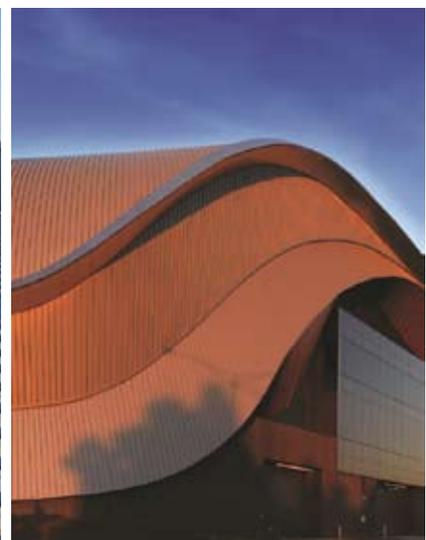


**BRIEF**

The Panels are manufactured in a fully automated continuous manufacturing production line & have pre-coated Galvanized Iron (GI) / Galvalume (GL) sheet on both side of insulating material such as Polyurethane (PUR) foam/ Poly Isocyanurate (PIR) /Mineral Wool & IPN /Quadcore insulation. The IPN(Nano) panel is recent advancement, with superior performance on fire, thermal, environmental and longevity aspects. These panels can be engineered to withstand a variety of internal and external conditions, for both interior and exterior use- such as walls as well as façades, ceilings as well as roof systems.

These panels are used for building cold store units, commercial units etc, which require specific interior climatic conditions & have now started being used in residential buildings also. These panels are being manufactured by the agency in Nalagrah and Indore Manufacturing facilities in the country.

The Kingspan Group is one of the global leaders in the design, development and delivery of advanced building envelope products and solutions, with 166 manufacturing sites worldwide.

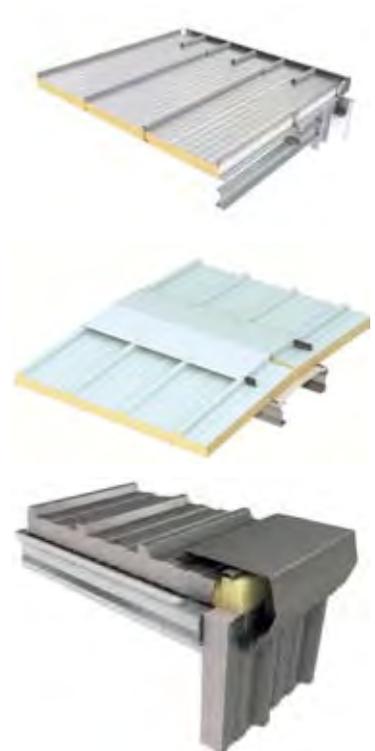
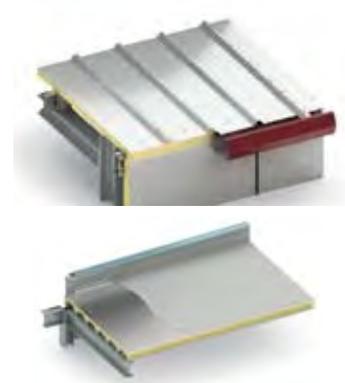
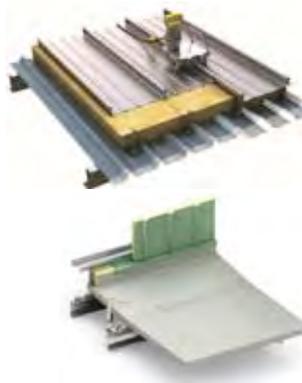


## SALIENT FEATURES

- Comprehensive design choices are provided for distinct profiles integrating with each other & wide range of colors for visual impact
- Can be designed for any thermal, structural, acoustics and Fire performance.
- High level of design flexibility
- Panels are airtight & weather resistant.
- Pre-engineered, modular in size & facilitates quick installation.
- Easy to dismantle and transport from place to place as per the requirement.

## ECONOMIC ASPECTS

- Reduced maintenance cost.
- Modular components reduce erection time.
- Being factory-produced component, the cost competitiveness depends on economy of scale.



### SUSTAINABILITY ASPECT

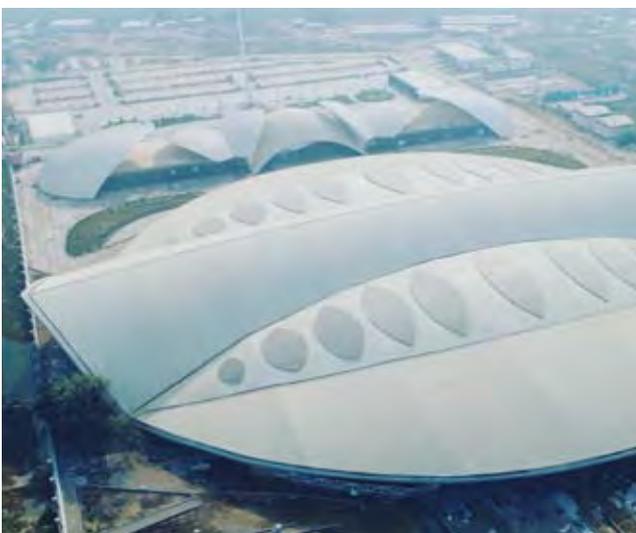
- Energy Efficiency of specified/desired level
- Panel are CFC free and Zero Ozone depleting panel
- Panels can be recycled 100%

### SUITABILITY AND AVAILABILITY

- Suitable for all climatic conditions.
- Panels can be supplied pan India. It comes with Standard width of is 1000 mm & Length as per the site requirement.
- At the time of designing the steel structure building, adequate vertical and lateral stiffness and strength needs to be provided with considering the wind loads, seismic forces etc. as per relevant IS code

### LIMITATIONS, IF ANY

- The panels are non-load bearing in nature, & needs to be used/designed with structural framing system primarily with Steel structural system.



## MARKET LINKAGES

- Pan India Availability

## MAJOR PROJECTS

- VKNRL Nursing Hostel (G+2) Assam
- ITPO – Conventional Centre , Pragati Maidan- New Delhi
- COVID Hospital Centres
- Sub Health Centre in Prefab technology Various Locations, MP
- Sub Health Centre in Prefab technology Various Locations, Rajasthan
- Adani PV solar manufacturing Mundra- Gujarat
- NTPC - Joshimath

## CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- Product Certified by BMTPC under PACS
- Product Certified by GRIHA

