



North India's
Largest Manufacturer of
Continuous PUF Panel





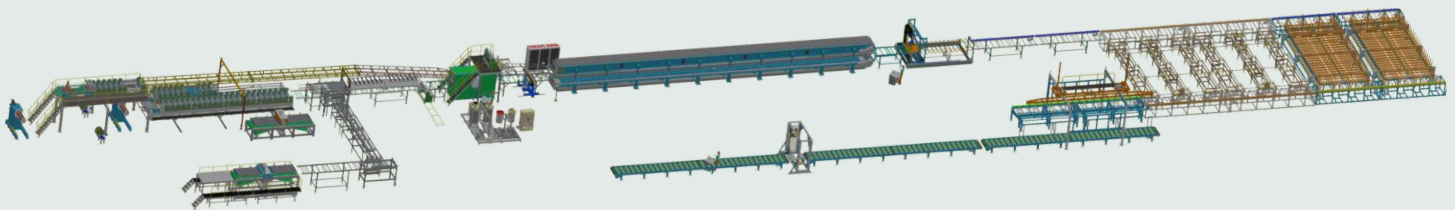
About WonderPUF

WonderPUF brings advanced European continuous PUF and PIR sandwich panel manufacturing technology to India, delivering panels for facades, roofing, and cleanroom applications. We are North India's Largest Manufacturer of Continuous PUF Panels, with a state-of-the-art, automated facility, delivering high-performance, energy-efficient solutions for industrial, commercial, residential and institutional applications, including cold storage, cleanroom and building envelope.

Our panels are engineered for thermal efficiency, structural performance, durability and ease of installation, supported by advanced continuous production technology, strict quality controls and a highly experienced team.

With a focus on production excellence and continuous innovation, WonderPUF has grown into one of India's leading manufacturers of Insulated Sandwich Panels. This commitment enables us to power the next generation of high-performance insulated green building solutions.

State-of-the-Art, Automated Manufacturing Facility



PAN India
Projects Executed



8,40,000 sqm p.a.
Production Capacity



1000+ Projects
Delivered in Last 3 years



NABL
Accredited



Engineered for Better Performance with Product Innovations



India's first solar compatible roofing with our patented clamp system that enables solar panels to be installed without penetrating the panel surface, preventing water ingress.



First in India to have corona treatment and specialised metal scrubbing devices for both the top and bottom sheets to get a stronger foam-to-sheet adhesion.



With the region's longest European production line of 230 meters, it features a 5-component foaming system and a 30-meter double belt with automated cooling and packing.



Our unique micro-rib profile on both metal surfaces increases the contact area and adhesion between the sheet and foam, improving the structural performance and strength of longer panels.

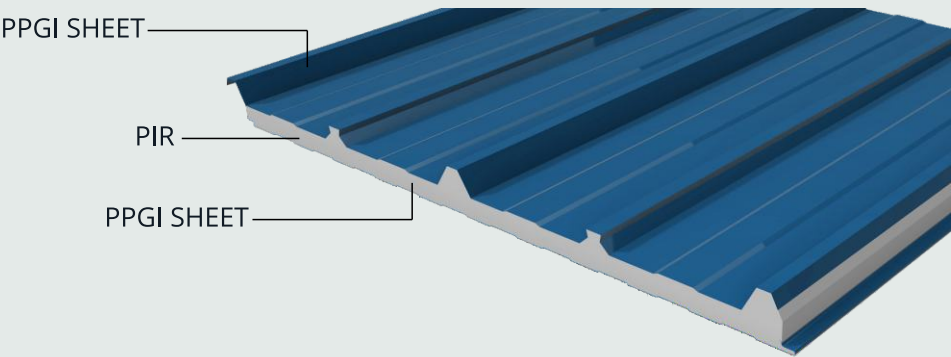


First in India to use 100% Next-Gen PIR insulation technology, which gives up to 13% better insulation and 5 times the fire protection of conventional PUR foam.

Insulated Sandwich Panels

WonderPUF Insulated Continuous Sandwich Panels are engineered to deliver high thermal efficiency, fire performance and structural durability across demanding building applications. Our latest European production line features a 5-component foaming system and the region's longest production line at 230 meters, including a 30-meter double-belt section with automated cooling and packing. This ensures optimal curing for exceptional panel performance and consistent insulation while saving energy, improving long-term durability, and shortening project timelines through faster installation.

Available with PUR, PIR, and Rockwool insulation cores, WonderPUF panels are ideal for industrial, commercial, and modular buildings, cold storage, cleanrooms, food processing facilities, institutions, and other temperature-controlled environments. Their lightweight, robust structure provides an efficient building envelope that supports modern sustainable construction.



PUR vs PIR

PIR is the next-generation insulation core that offers enhanced fire safety and thermal efficiency compared with conventional PUR. While PUR provides effective thermal insulation, PIR offers improved fire resistance and long-term performance, making it well suited for demanding applications such as cold storage, food processing, pharmaceuticals and modern industrial facilities.

Parameter	PUR (Polyurethane)	PIR (Polyisocyanurate)
Density	40 (+/-2) kg/m ³	40/42 (+/-2 kg/m ³)
Thermal Conductivity (λ)	0.022-0.024 W/mK	0.019-0.023 W/mK
Closed Cell Content	90-95%	90-95%
Horizontal Burning	125 mm (Extent of Burn)	25 mm (Extent of Burn)
Fire Resistance	Melts and Combustible	Chars and Self-Extinguishes
Smoke Generation	Higher during fire	Lower during fire
Temperature	Tstable to ~110°C	Stable to ~205°C
Dimensional Stability	±2%	±2%
Typical Application	Warehouses, Modular and Commercial Buildings	Fire-sensitive, Cold Storage and food processing facilities



High Thermal
Insulation



Cold and Heat
Resistant



Reduced
Energy Bills



Long-Lasting
Durability



Fast and Easy
Installation

Applications



Cold Storage and Cold Room



Warehousing and Logistics



Pharmaceutical Clean Rooms and Labs



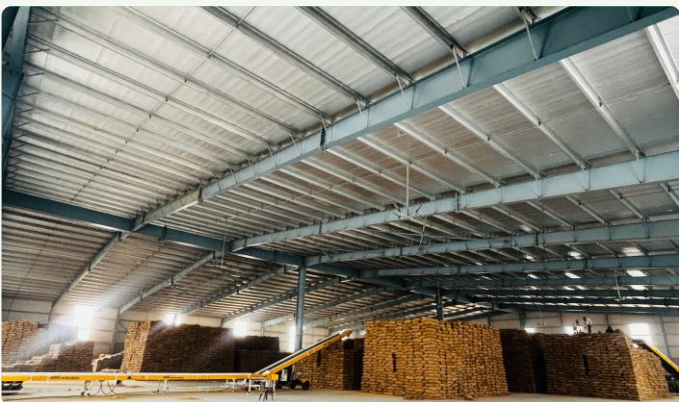
Telecom and Data Centers



Food and Beverage Processing Industry



Industrial and Commercial Buildings



Modular and Prefabricated Structures

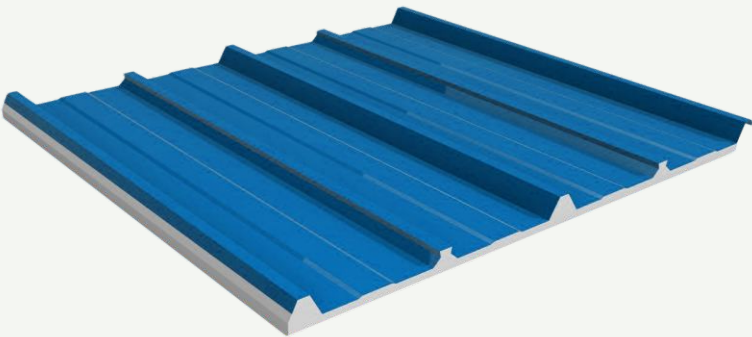


Agricultural and Poultry Farms

StarPUF® Single Skin Roof Panels

WonderPUF StarPUF single skin panels are high-performance insulated roofing panels with a 15 mm thickness, patented solar-compatible ribbed steel exterior, AluPET or Wooden Texture underside and PIR core, engineered for thermal efficiency, durability and rapid installation. Our patented solar-compatible clamp system enables solar panel installation without drilling and penetrating the panel surface, helping prevent water ingress and corrosion while preserving long-term roof integrity.

Our PUR/ PIR Sandwich Panels are available in different materials like PPGI, PPGL, BGL, Stainless Steel, Aluminium, and Craft paper with trapezoidal profile, clay tile profile and patented solar-compatible ribbed profile.



**Overlap
Roof Joint**

**Patented Solar Compatible
Roof Panel Connector**

**First Time
in India**

Technical Specifications

Usage	Roof/Cladding
Useful width	1000 mm
Minimun/Maximum length	2 Mtr / 12 mtr
Core & Density	PIR [40(+/-2) kg/m3] Fire retardant
Core thickness	15 mm
Outer Skin/ Inner Skin	PPGL, GL (0.40 or 0.50 mm) / AluPet Foil or Wooden Paper
Paint / Coating	RMP, SMP or SDP / Az70 or Az150
Adhesion	Excellent (Foam bonded to sheet)
Thermal Conductivity (K-Value)	0.020 to 0.023 W/mK
U-Value	1.1 to 1.2 W/m2K
R-Value	0.83 to 0.91 m2K/W
Fire Performance	Fire Retardant PIR Core (Low Flame Spread)

Key Features

- Built-in patented solar-compatible trapezoidal roof panel
- Cost-efficient and versatile alternative
- Temperature reduction of up to 10°C
- AZ150 grade steel ensures a lifespan of up to 25 years
- Compatible with existing roofing structures and traditional constructions

Applications

- Versatile and ideal for warehouses, factories, industrial facilities, poultry farms and agricultural product storage

15 mm Thickness



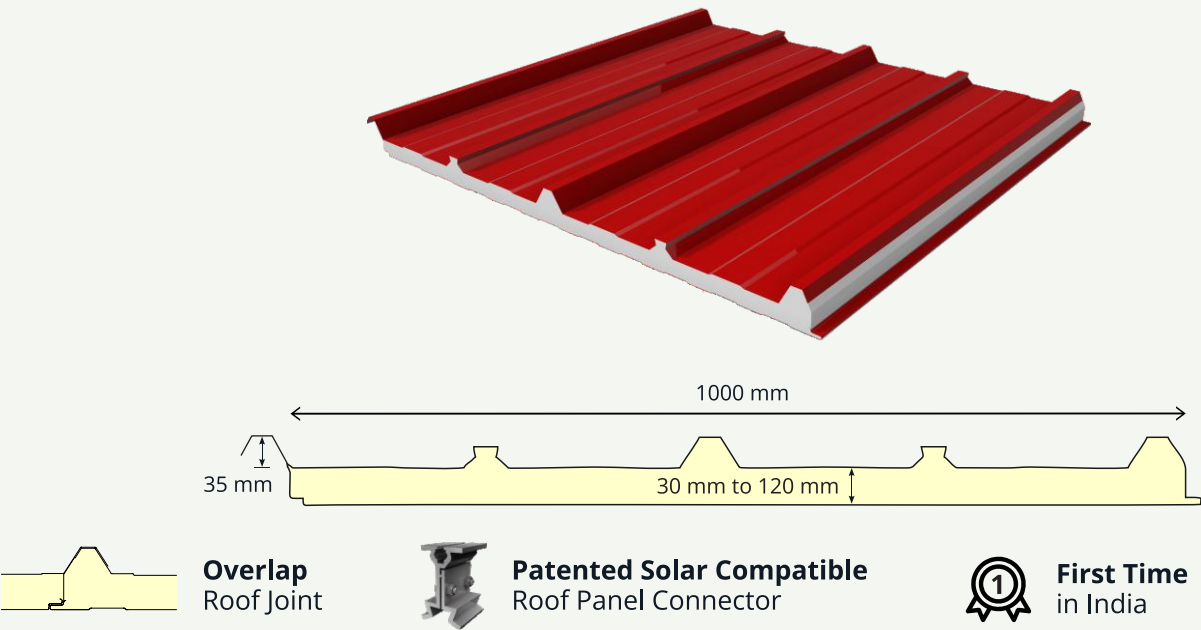
StarPUF® Single Skin Roof Panel Projects



SolarPUF® Double Skin Roof Panels

WonderPUF SolarPUF is a high-performance double-skin insulated roofing system comprising two parallel metal sheets with a PIR insulation core, available in thicknesses from 30 to 120 mm. The system features a patented solar-compatible ribbed steel exterior and profiled steel interior. Our patented clamp system enables solar panels to be installed without drilling or penetrating the roof surface, helping prevent water ingress and corrosion while preserving long-term roof integrity.

Our PUR/ PIR Sandwich Panels are available in different materials like PPGL, PPGL, BGL, Stainless Steel and Aluminium with trapezoidal profile, clay tile profile and patented solar-compatible ribbed profile.



Technical Specifications

Usage	Roof
Useful width	1000 mm
Minimun/Maximum length	2 Mtr / 15 mtr
Core & Density	PIR [40(+/-2) kg/m3] Fire retardant
Core thickness	30, 40, 50, 60, 80, 100, 120mm
Outer Skin/ Inner Skin	PPGL, GL, Alu (0.40 to 0.50 mm) / PPGL (0.30 to 0.50mm)
Paint / Coating	RMP, SMP or SDP / Az70 or Az150
Adhesion	Excellent (Foam bonded to sheet)
Thermal Conductivity (K-Value)	0.020 to 0.023 W/mK
U-Value	1.1 to 1.2 W/m2K
R-Value	0.83 to 0.91 m2K/W
Fire Performance	Fire Retardant PIR Core (Low Flame Spread)

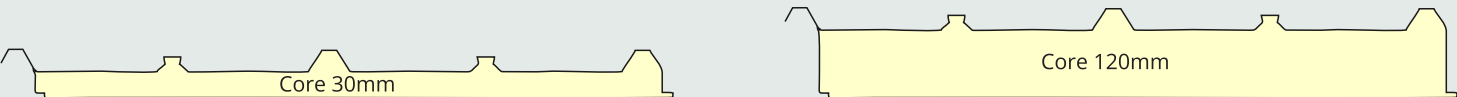
Key Features

- Built-in patented solar-compatible trapezoidal roof panel
- Non-water-absorbent and prevents water ingress
- Compatible with existing roofing structures and traditional constructions
- AZ150 grade steel ensures a lifespan of up to 25 years
- High thermal insulation and weather resistance

Applications

- Versatile and ideal for warehouses, factories, pre-engineered buildings, commercial and industrial facilities

Thickness from 30mm to 120mm



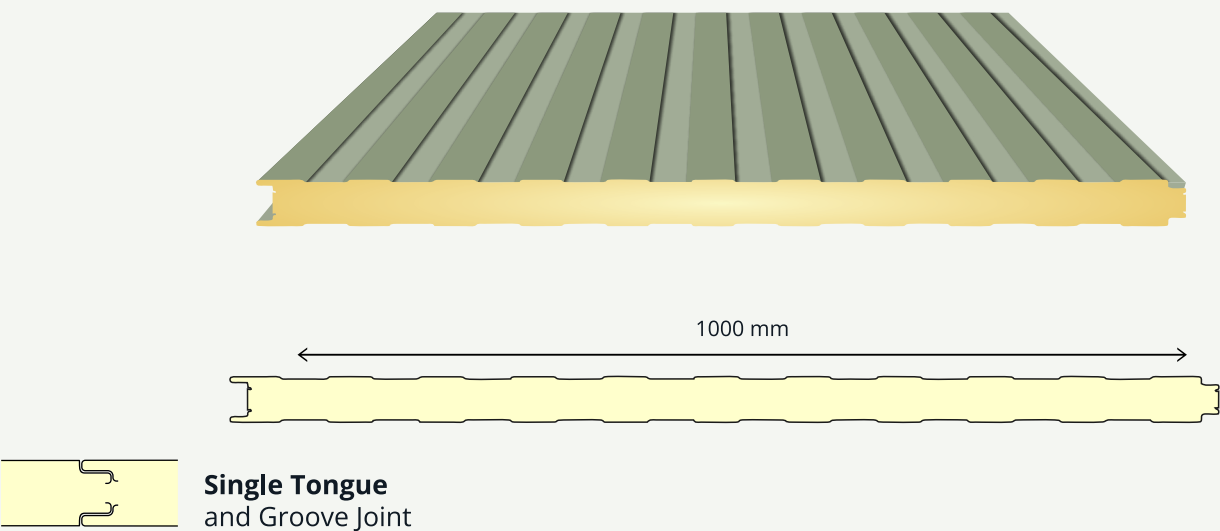
SolarPUF® Double Skin Roof Panel Projects



WonderPanels® Insulated Wall Panels

WonderPanels insulated wall panels are engineered for controlled environments, external walls and internal partitions, offering high-performance in temperature-controlled, hygiene-critical and airtight construction. Available in PUR, PIR, and Rockwool cores, these panels deliver maximum energy efficiency, long-term durability, and superior fire resistance, with customisable thicknesses from 30 mm to 200 mm.

The European tongue and groove joinery ensures precise panel interlocking, leak-proof performance and excellent thermal insulation across the building envelope. Standard insulated wall panels can be installed vertically or horizontally in applications including cold/chilled storage, food processing, pharmaceuticals, cleanrooms, industrial facilities, modular buildings, partitions, cladding, and building facades.



Technical Specifications

Usage	Walls/Partitions/Facades
Useful width	1000 mm
Minimun/Maximum length	2 Mtr / 15 mtr
Core & Density	PUF/PIR [40(+/-2) kg/m3] Fire retardant
Core thickness	30, 40, 50, 60, 80, 100, 120, 150, 200 mm
Outer Skin/ Inner Skin	PPGI, PPGL or SS (0.3 to 0.5 mm)
Paint / Coating	RMP, SMP or SDP / Az70 or Az150
Adhesion	Excellent (Foam bonded to sheet)
Thermal Conductivity (K-Value)	0.020 to 0.023 W/mK
U-Value	1.1 to 1.2 W/m2K
R-Value	0.83 to 0.91 m2K/W
Fire Performance	Fire Retardant PIR Core (Low Flame Spread)

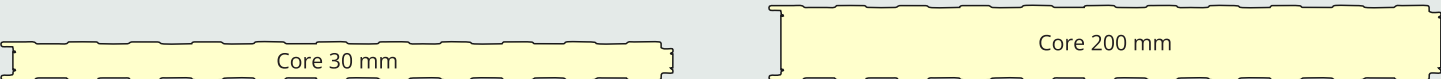
Key Features

- Customisable thicknesses from 30 mm to 200 mm
- Superior thermal performance and weather resistance
- High structural strength and low maintenance
- Maximum energy efficiency and long-term durability
- European tongue and groove joinery

Applications

- Versatile and ideal for warehouses, logistics buildings, factories, building facades, and commercial and industrial facilities

Thickness from 30mm to 200mm

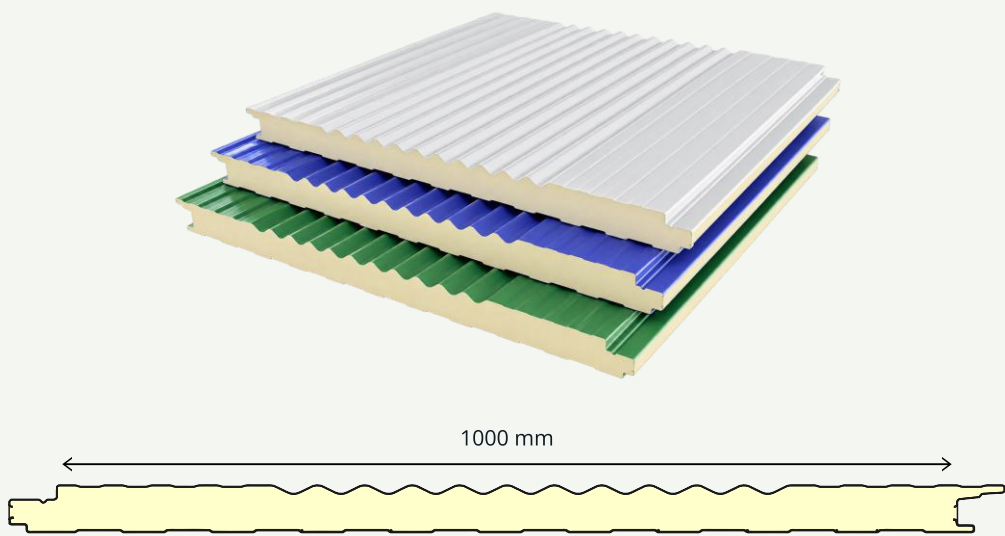


// WonderPanels® Insulated Wall Panels Projects



UltraPanels® Secret Fix Wall Panels

WonderPUF UltraPanels Wall Panels combine a clean, uninterrupted facade with high thermal insulation and structural durability. Featuring a concealed screw-fixing system, the panels minimise visible fixings, air leakage and thermal bridging while enhancing weather resistance. Suitable for vertical and horizontal installation, they are ideal for high-performance building solutions, including industrial, commercial, and modular buildings where design and aesthetics are a priority.



**Hidden Screw
Joint**

Technical Specifications

Usage	Facade & Walls
Useful width	1000 mm
Minimun/Maximum length	2 Mtr / 15 mtr
Core & Density	PUF/PIR [40(+/-2) kg/m3] Fire retardant
Core thickness	30, 40, 50, 60, 80, 100, 120, 150, 200 mm
Outer Skin/ Inner Skin	PPGI, PPGL (0.3 to 0.5 mm)
Paint / Coating	RMP, SMP or SDP / Az70 or Az150
Adhesion	Excellent (Foam bonded to sheet)
Thermal Conductivity (K-Value)	0.020 to 0.023 W/mK
U-Value	1.1 to 1.2 W/m2K
R-Value	0.83 to 0.91 m2K/W
Fire Performance	Fire Retardant PIR Core (Low Flame Spread)

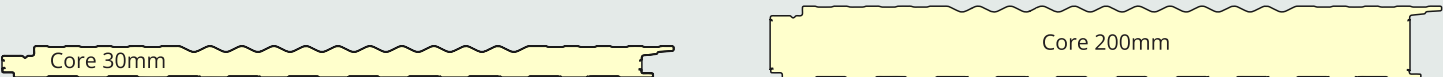
Key Features

- Superior thermal performance and weather resistance
- High structural strength and low maintenance
- Minimise air leakage and thermal bridging
- Maximum energy efficiency and long-term durability
- Seamless hidden fastener system

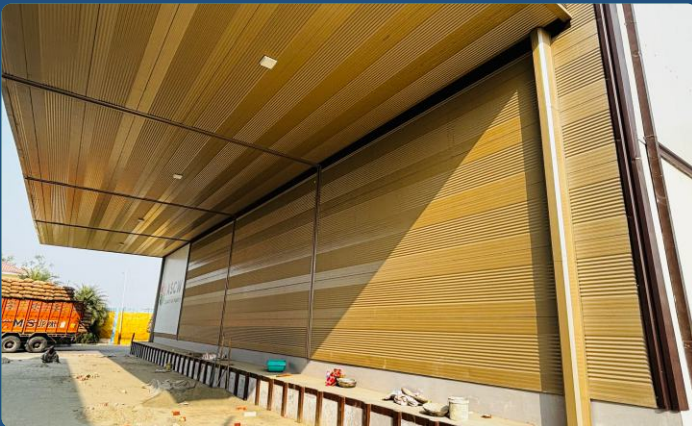
Applications

- Versatile and ideal for clean rooms and pharmaceutical units, data and IT centres, commercial, agricultural and industrial buildings, and cold storage

Thickness from 30mm to 200mm



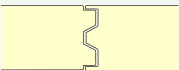
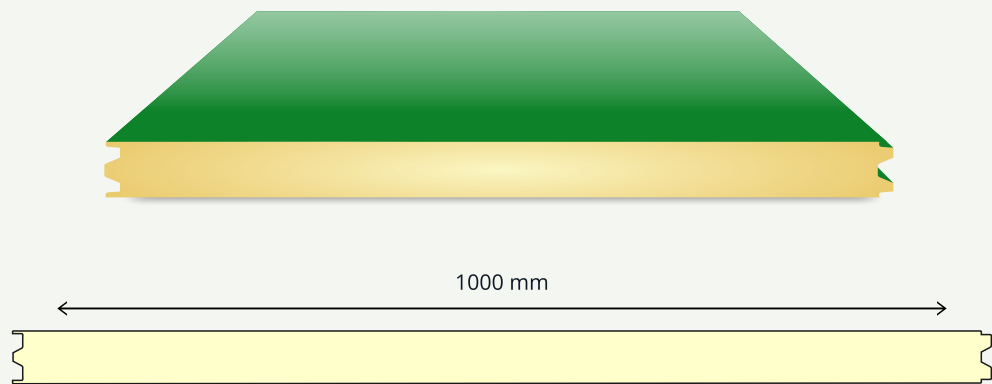
UltraPanels® Secret Fix Wall Panels Projects



WonderCOLD® Cold Room Wall Panels

WonderPUF WonderCOLD wall panels are engineered for temperature-controlled environments where maintaining thermal efficiency and robust enclosure integrity is vital, along with creating a hygienic and safe environment. Designed to offer exceptional thermal insulation, fire resistance, and structural integrity, these panels are a preferred choice for external walls and internal partitions in high-performance cold storage, chilled storage, cleanrooms, and other controlled environments.

The insulated panels are available for vertical and horizontal installation, with customisable thicknesses from 60 mm to 200 mm, to maintain consistent low temperatures and support energy efficiency and longevity.



Double Tongue
and Groove Joint

Technical Specifications

Usage	Cold Room / Walls / Partitions
Useful width	1000 mm
Minimun/Maximum length	2 Mtr / 15 mtr
Core & Density	PUF/PIR [40(+/-2) kg/m3] Fire retardant
Core thickness	60, 80, 100, 120, 150, 200 mm
Outer Skin/ Inner Skin	PPGI, PPGL or SS (0.3 to 0.5 mm)
Paint / Coating	RMP, SMP or SDP / Az70 or Az150
Adhesion	Excellent (Foam bonded to sheet)
Thermal Conductivity (K-Value)	0.020 to 0.023 W/mK
U-Value	1.1 to 1.2 W/m2K
R-Value	0.83 to 0.91 m2K/W
Fire Performance	Fire Retardant PIR Core (Low Flame Spread)

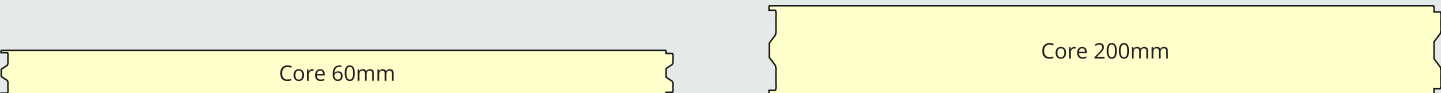
Key Features

- Superior thermal performance and high structural strength
- Enhanced airtight sealing and prevents moisture ingress
- Maximum energy efficiency and long-term durability
- Customisable thicknesses from 60 mm to 200 mm
- European double tongue-and-groove joinery

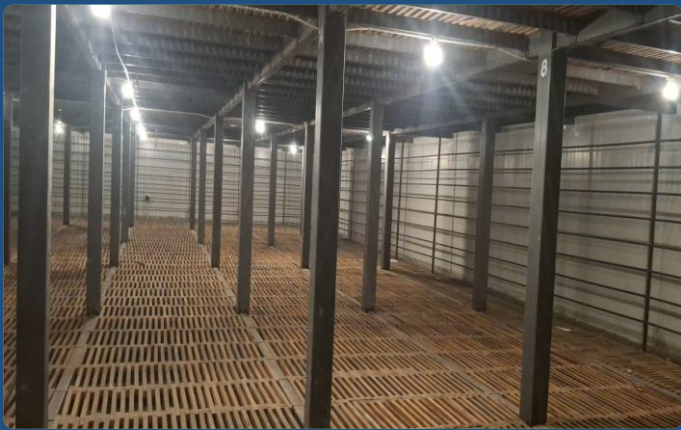
Applications

- Versatile and ideal for cold storage, clean rooms and pharmaceutical units, data and IT centres, commercial and infrastructure projects

Thickness from 60mm to 200mm



WonderCOLD® Cold Room Wall Panels



/// Riser Panels

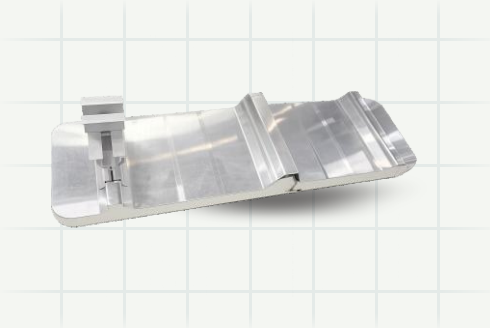
WonderPUF Riser Panels are specialised insulated panels for cleanrooms, cold rooms and other specialised controlled facilities, creating organised pathways for vertical raised sections, HVAC, vertical utility shafts, electrical lines, piping and data cables above a slab or floor. They are adaptable to various architectural designs and contribute significantly to energy efficiency, thermal insulation, enclosure integrity, and cleanliness.



/// Aluminium Outer Panels

WonderPUF Aluminium Panels offer lightweight strength, corrosion resistance and thermal performance, making them ideal for roofing and building applications exposed to high humidity, harsh weather and highly corrosive environments.

These high-quality aluminium sandwich panels provide durability, low maintenance and excellent thermal and sound insulation.



/// Wooden Texture Panels

WonderPUF Wooden Texture Panels combine the thermal efficiency and durability of insulated PUF panels with an elegant wood-inspired finish. Designed for aesthetic applications, they offer a lightweight, fast-installing, and low-maintenance alternative to traditional wood, making them ideal for roofing, walls, facades, and cabins in residential, commercial, hospitality and architectural projects.



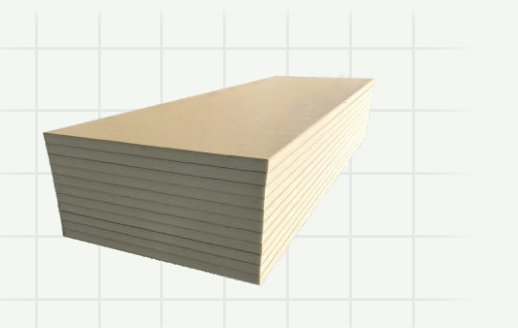
/// Vision Panels

WonderPUF Vision PUF Panels are insulated sandwich wall panels with integrated viewing windows, designed for cleanrooms, cold storage, laboratories, hospitals and temperature-controlled environments. They provide clear visual access between controlled and non-controlled areas for improved safety and monitoring while supporting thermal and sound insulation, hygiene, controlled conditions and natural light.



/// Insulated Floor Slabs

WonderPUF Insulated Floor Slabs are engineered for cold storage and temperature-controlled environments, providing high load-bearing capacity, maintaining thermal continuity at ground level, and enhancing moisture protection beneath concrete or finished flooring. They minimise heat ingress, prevent condensation and ground freezing, and support long-term structural performance.



Accessories



External L-Angle



C-Channel



Internal L-Angle



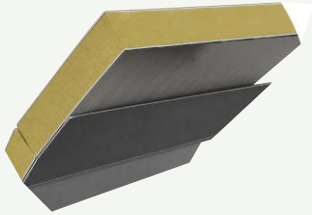
Roof Panel Solar Connector



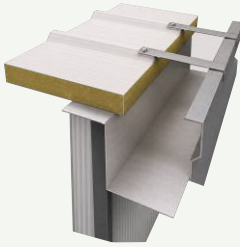
Solar Compatible Trapezoidal



External Plain Ridge



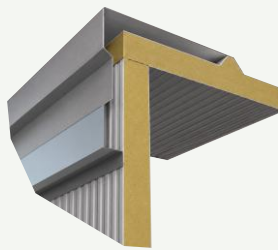
Internal Ridge



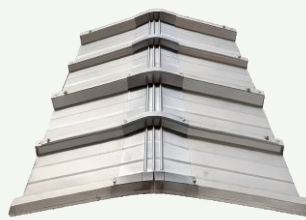
Gutter



Flat Flashing



Gable End Flashing



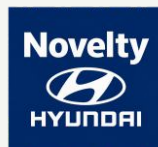
External Crimp Ridge



Floor L Flashing



Our Clients





Wonder Glass Pvt Ltd

Manufacturing Plant / Office:
Village Chak Sagta, Kathua- 184104,
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