



Support™

PU Sandwich Panel

আধুনিকতার ছোঁয়া

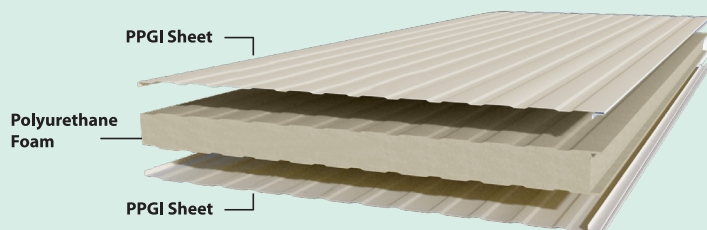
- Water, heat and sound resistant
- Easy to carry
- Easy to install
- Environment friendly



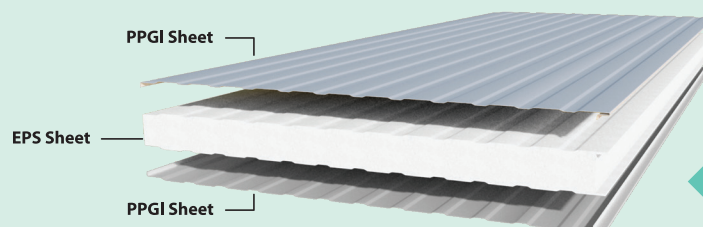
What is Sandwich Panel?

A sandwich panel is a modern construction material made of three layers: low density core inserted in between two relatively thin skin layers. This sandwich setup allows achieving excellent mechanical performance at minimal weight.

It composed of two profiled facings made of varnished, galvanized steel sheets and an insulating core placed between them, made of rigid Polyurethane foam or EPS. The steel facing is made of steel sheet of 0.45 mm thickness, covered with removable protective films, both sides galvanized, which complies with the requirements of PN-EN 10346. The standard panel coating is finished with 40 GSM Zinc-alum coating, which guarantees a 15-20 year period of exploitation.



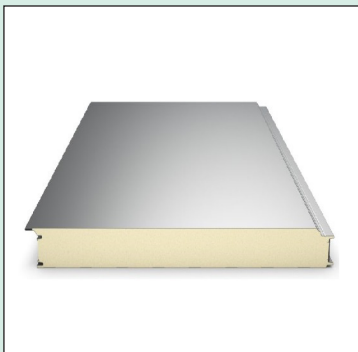
PU Sandwich Panel



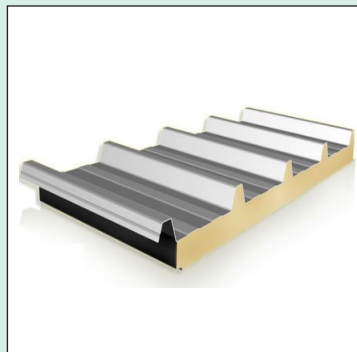
EPS Sandwich Panel

Technical Specifications:

Item	Unit	PU Sandwich panel	EPS Sandwich Panel
Density	kg/m ³	40-45	15-30
Thermal Conductivity	W/m-k	≤0.022	≤0.042
Compressive strength	KPA	≥150	≥69
Temperature resistance	°C	120	70
Fire-resistant Properties		Self-extinguishing carbonization from fire	Melt drops in case of fire and high temperature
Burning Level		B2/B3	
Bonding Strength	MPA	> 0.15	> 0.1
Sealing and waterproof		90% of hard foam closure rate, 100% rate of self-skinning closure. Whole foam can block all voids.	Air and water are easy to penetrate through cracks and cavities
Environmental protection performance		Fluorine free foaming agent	Freon is widely used



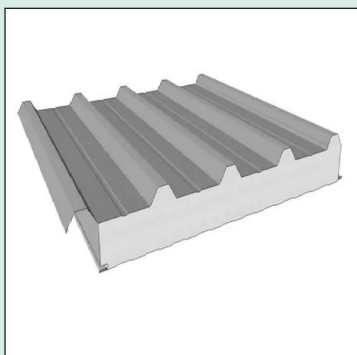
PU Wall Panel



PU Roof Panel



EPS Wall Panel



EPS Roof Panel

Technical Properties (PPGI= Pre-painted Galvanized Iron)

- Sheet thickness 0.4 mm to 0.45 mm
- Top color is RAL9002 & back color is Blue
- Tensile strength 380-400 Mpa & Yield strength 368 MPa
- Zinc coating 40 GSM (g/m²)
- Coating performance, front 20 micron & back 7 micron
- Sheet glossy % 60-65
- Chemical compositions (C, Si, Mn, P, S)
- Removal protective film on sheet

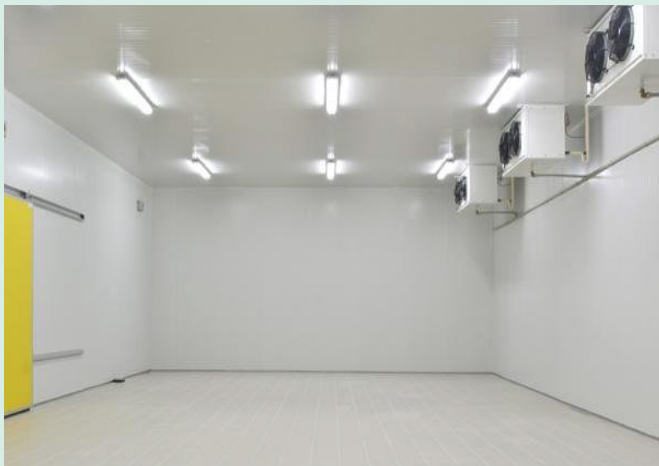
Usage Area:

Our panels are manufactured in various lengths, from 2.00 to 16.00 m and are custom-cut in a production process at a straight angle. Sandwich panels can be used to build such partitions as:

- Wall (Outer Wall & Internal Partition Wall)
- Roof
- Any Hot & Cool Room
- Office Partition
- Ceiling
- Door
- Window as Glass View Point

Applications:

Cold storage



Confectionery Plant



Beverage Plant



Pharmaceuticals

Moreover it can use in below areas:

- Agro based industry • Pharmaceutical industry • Wire house • Tea Industry • Power Plant • Permanent or temporary accommodation • Tannery • Cold storage • Wire house • Any kind of heat controlled structure
- Extension in office • Construction companies

Sandwich Panel Core Advantages:



High mechanical strength



Excellent thermal insulation properties



High air, rain and vapor tightness



Easy and quick installation



Low Cost



Easy to reinstall

CORE PROJECTS WE COMPLETED

Sl No.	Client	Project	Work type
1	Shafiq Brothers PVT Ltd.	Midland Power Ltd. Ashuganj Power Plant	Construction of 4 office buildings
2	Build Asia	Samsung Power Plant, Siddhirganj, Narayanganj	Construction of Canteen
3	BAUER Bangladesh Ltd.	Ruppur Power Plant, Ishwardi, Pabna	Construction of office building
4	China Bangla Ceramic Industries Ltd.	CBC Factory, Narsingdi	Construction of machine rooms inside factory building
5	Fair Electronics Ltd. (Samsung)	Samsung Factory, Narsingdi	Construction of Extruder room, CKD Office room, Mobile Production room and 42' high partition wall
6	Wahid Construction Ltd.	Chittagong Development Authority. Ananya Residential Project, Oxygen, Chittagong	Construction of office building
7	China Energy Engineering Group	Meghnaghat Power Plant, Sonargaon, Narayanganj	Construction of Container for office use
8	Bangladesh Air Force	BAF Kurmitola, Dhaka Cantonment	Construction of Cold Room
9	Bangladesh University of Professionals	BUP Campus, Mirpur Cantonment	Construction of partition wall
10	CMH	Family ward, CMH	Construction of Temporary ward
11	Friendship	Rohingya Base, Ukhia, Cox's Bazar	Construction of Pediatric Unit
12	Swiss Red Cross	Rohingya Base, Ukhia, Cox's Bazar	Construction of Health Centre
13	Ashiatic Pharmaceuticals Ltd.	Konabari, Gazipur	Construction of Factory building
14	Spectra Hexa Feeds Ltd.	Spectra Head Office, Gulshan-2, Dhaka	Vertical Extension of existing building
15	Texas Packaging Industries Ltd.	Taltola, Rupganj, Narayanganj	Vertical Extension of existing building

For Information

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