



WE BUILD & EXPERTISE

PRE-FABRICATED STRUCTURES



MITTAL
INFRA SOLUTIONS



INSULATED SANDWICH
PANEL



PRE-FABRICATED
STRUCTURES



SOLAR MOUNTING
STRUCTURES



COMPANY INTRODUCTION

PRE-FABRICATED STRUCTURES

MITTAL INFRA SOLUTIONS is a team of qualified, experienced and dedicated management professionals who have strong capabilities and rich experience of providing engineering solutions from Concept to Commission in to the fields of Pre-fabricated construction at the optimum cost with utmost customer satisfaction.

MITTAL INFRA SOLUTIONS has carved a niche in the domain of manufacturing & Supplying finest quality porta cabin, Container office, Site office, MS Structure, Clean Room, Cold Room, PUF Panels, Telecom Shelters, labour camp, Solar mounting structures, roof top structures etc. Besides, our range of product is in compliance with varying industrial standards. Value Engineering, Quality Management, Expertise in Pre-Fabricated

MITTAL INFRA SOLUTIONS is determined to mark its footprint on the global prefab. Complete Design, engineering, prototype, sampling, part production and just-in-time delivery, all combine to provide total packaging and insulation solution.





VISION

MITTAL INFRA SOLUTIONS strives to become the voice of world in Pre-fabricated construction with its quality, commitment and Customer satisfaction.

MISSION

- To become partner with the world's best pre-fabricated Construction companies for delivering the best quality products.
- Cumulative growth with world's best customers, suppliers, employees, financial institutions & other stake holders.
- Translate our advanced technologies, innovations & hard work into value for our customers and stakeholders.
- To develop customer relationships by anticipating needs & delivering quality products beyond expectations.
- Continuous R&D, innovations & improvements to deliver products at affordable price.
- Delivers the commitment to leave a deep impression on customers "mind and heart".

OUR VALUES

Entire team of MITTAL INFRA SOLUTIONS commit themselves to the following values in executing projects. These values reflect what is truly important to us as an organization. These are not values that change from time to time, situation to situation or person to person, but rather they are the underlying culture that is imbedded within our company. These values guide their decisions & influence their thinking,



Customer
First



Success &
Contribution



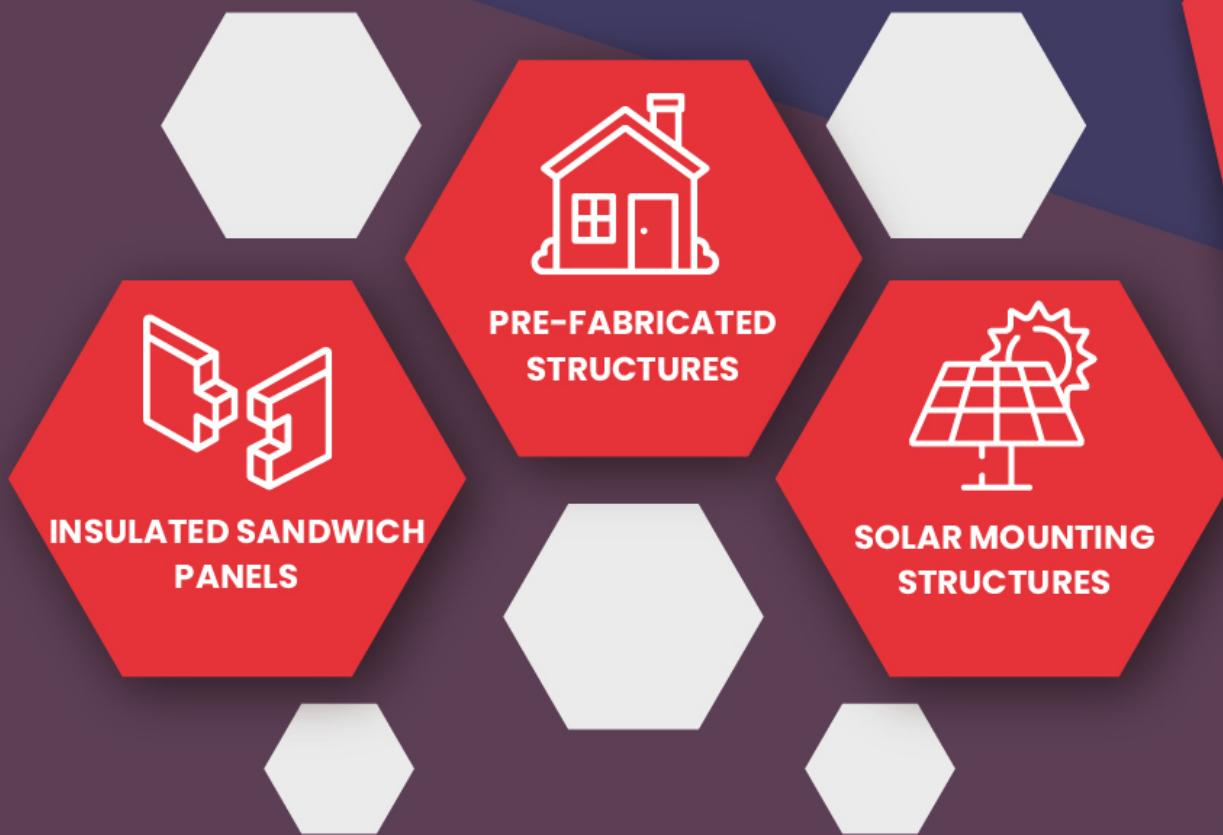
Integrity &
Honesty



Continuous
innovation



BUSINESS VERTICALS



“ QUALITY IN A SERVICE OR PRODUCT IS NOT WHAT YOU PUT INTO IT. IT IS WHAT THE CUSTOMER GETS OUT OF IT ”



INSULATED SANDWICH PANELS

- PUF SANDWICH PANELS
- EPS SANDWICH PANELS
- ROCKWOOL SANDWICII PANELS
- GLASSWOOL SANDWICH PANELS

PRE-FABRICATED STRUCTURES

- INSULATED SANDWICH PANELS
- PUF SANDWICH PANELS
- EPS SANDWICH PANELS
- ROCKWOOL SANDWICII PANELS
- GLASSWOOL SANDWICH PANELS
- PRE-FABRICATED STRUCTURES
- PORTA CABINS
- SITE OFFICES
- MARKETING OFFICES
- BUNK HOUSE
- CONTAINER OFFICES
- BUILWAY SHELTERS
- SIGNALING HUTS
- TELECOM SHELTERS
- BTS SHELTERS
- LABOUR CAMPS
- WORKERS ACCOMMODATION
- CLEAN ROOMS
- COLD ROOMS
- COLD STORAGES
- PORTA CABINS
- INDUSTRIAL ENCLOSURES
- INDUSTRIAL PARTITIONS
- POLICE BARRACKS
- MILITARY CAMPS
- PRE-TABRICATED SCHOOLS
- SOLAR INVERTER ROOMS
- SOLAR CONTROL ROOMS
- CONTROL PULPITS
- MULTI STORICD STRUCTURES
- SECURITY ROOMS
- GUARD ROOMS
- ROOF TOP STRUCTURES
- PRE-ENGINEERED BUILDINGS
- WAREHOUSES
- MODULAR E-TOILETS

SOLAR MOUNTING STRUCTURES

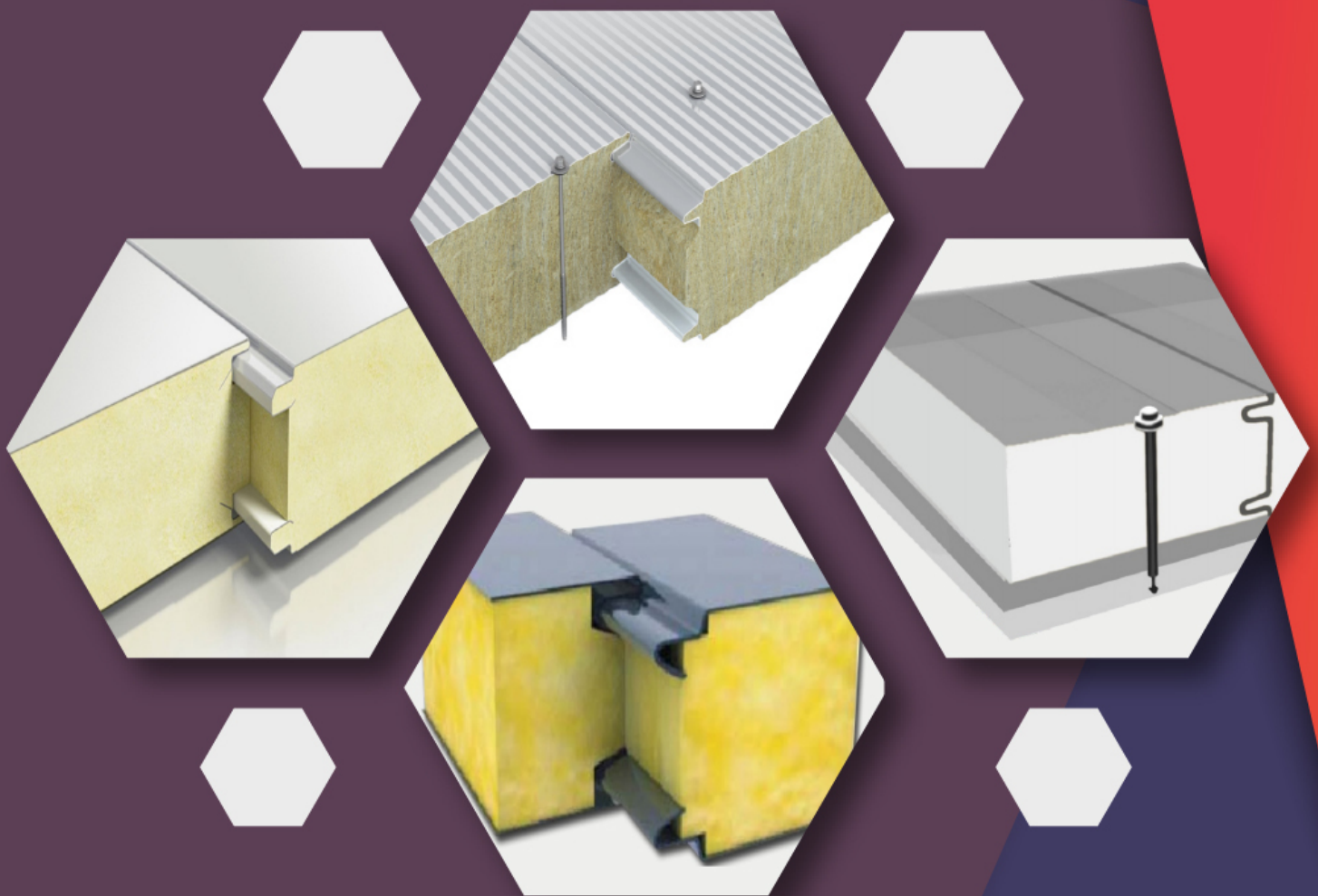
- RCC MOUNTING STRUCTURES
- TIN SHED MOUNTING STRUCTURES
- ELEVATED SOLAR STRUCTURES



INSULATED SANDWICH PANELS

Insulated sandwich panels is a composite structures which are commonly used in the construction industry for providing excellent thermal & acoustic insulation properties.

Insulated sandwich panels consisting of an insulating layer of rigid core sandwiched between two layers of structural board, used as a building material. The board can be pre-coated GI sheet (PPGI), stainless steel (SS), Cement fiber board, ACP and the insulation core will either be expanded polystyrene foam (EPS), Polyurethane foam (PUF), Rockwool, Glasswool.





PRODUCT DESCRIPTION

PUR/PUF PANEL

PRODUCT	PUR/PUF PANEL							
Width - Wall	1200(STANDARD/CUSTOMIZED)							
Width - Roof	993mm							
Core Thickness(mm)	30	40	50	60	80	100	120	150
K Value (W/m ² K)	0.75	0.53	0.43	0.33	0.28	0.22	0.18	0.15
R Value (Btu/hr/ft ² /°F)	9.8	11	13	16	20	26	30	38
Fascia Options	PPGS/PPGL/Alu/Tarfelt/Cement Fiber Board/SS							
Bending Strength (Kg/cm ²)	4							
Tensile Strength (Kg/cm ²)	3.7							
Adhesive Strength (Kg/cm ²)-foam to Steel	2.9							
Density (Kg/m ³)	40±2 Kg/m ³							
Thermal Conductivity at 10°C mean Temperature (w/m3k)	0.023							
Compressive Strength at 10% Deformation (Kg/cm ²)	2.1							
Water Absorption (Volume %)	0.2% at 100%RH							
Closed Cell Content(%)	92-95%							
Vapor Permeability at 90%(RH) & 38°C(Gms/Hr.m ²)	0.12							
Fire Class	Fire Resistant							

EPS PANEL

PRODUCT	EPS PANEL							
Width - Wall	1170mm							
Width - Roof	1000mm							
Core Thickness(mm)	40	50	60	80	100	120	150	
K Value (W/m ² K)	0.75	0.53	0.43	0.33	0.28	0.22	0.18	
R Value (Btu/hr/ft ² /°F)	9.8	11	13	16	20	26	30	
Fascia Options	PPGS/PPGL							
Bending Strength (Kg/cm ²)	2.8							
Tensile Strength (Kg/cm ²)	1.53-2.34							
Adhesive Strength (Kg/cm ²)-foam to Steel	2.4							
Density (Kg/m ³)	16 Kg/m ³ (STANDARD)/20-24 Kg/m ³							
Thermal Conductivity at 10°C mean Temperature (w/m3k)	0.032							
Compressive Strength at 10% Deformation (Kg/cm ²)	1.95							
Water Absorption (Volume %)	3%							
Closed Cell Content(%)	90-95%							
Vapor Permeability at 90%(RH) & 38°C(Gms/Hr.m ²)	25-40							
Fire Class	Self Extinguishing							

ROCKWOOD PANEL

PRODUCT	ROCKWOOL PANELS				
Width - Wall	1170mm				
Width - Roof	1000mm				
Core Thickness(mm)	50	60	80	100	120
K Value (W/m ² K)	0.72	0.61	0.45	0.37	0.28
R Value (Btu/hr/ft ² /°F)	8	10	13	16	20
Fascia Options	PPGS/PPGL				
Bending Strength (Kg/cm ²)	0.7647				
Melting Point(Kg/cm ²)	>1000°C				
Density (Kg/m ³)	100 Kg/m ³				
Thermal Conductivity at 10°C mean Temperature (w/m3k)	0.04				
Compressive Strength at 10% Deformation (Kg/cm ²)	0.50985				
Water Absorption (Volume %)	Less than 1%				
Sound Rduction(db)	28-30				
Vapor Permeability at 90%(RH) & 38°C(Gms/Hr.m ²)	0.12				
Fire Class	Non-Combustible				

GLASSWOOD PANEL

PRODUCT	GLASSWOOL PANELS			
Width - Wall	1170mm			
Width - Roof	1000mm			
Core Thickness(mm)	50	60	80	100
K Value (W/m ² K)	0.89	0.67	0.43	0.36
R Value (Btu/hr/ft ² /°F)	14	17	21	27
Fascia Options	PPGS/PPGL			
Recovery After Compression	90% min.			
Service Temperature(Kg/cm ²)	-50°C to + 250°C			
Density (Kg/m ³)	48 Kg/m ³			
Thermal Conductivity at 10°C mean Temperature (w/m3k)	0.033			
Compressive Strength at 10% Deformation (Kg/cm ²)	0.4896			
Water Absorption (Volume %)	Less than 2% in accordance with IS:3144/BS:3978			
Sound Rduction(db)	28-30			
Fire Class	Non-Combustible			



PRE-FABRICATED STRUCTURES

Pre-fabricated structures are manufactured and constructed using prefabrication. It consists of factory-made components or units that are transported and assembled on-site to form the complete building. Pre-fabricated structures are light weight, durable, economical, re-locatable & energy efficient, thus these buildings are in huge demand and have been favored as an alternative to conventional building.







SOLAR MOUNTING STRUCTURES

Solar industry is one of the fastest growing industries in the world today. We are determined to mark our footprint on the global solar market and tap into every possible resource we come across, to live in a better world where we rely on nature & resources to meet our requirements and thus build a future for our coming generations to cherish.
"Today's source for a brighter tomorrow"







ENGINEERING YOUR DREAM



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