

REGIONAL LEADER IN
PRE-FABRICATED
STRUCTURES



STRONGER



SMARTER



CHEAPER

Build Quick Prefab Solution



PREFACE

Being the leading Prefabricated houses manufacturers, Thermoteq Limited has for over 10 years undertaken construction projects across East and Central Africa.

Big or small we have successfully executed dozens of projects using the prefab modular technology to design, manufacture and install the structures. Our Technology has been tested and approved by the bureau as per the national construction act.

At Thermoteq we take the time to consider your requirements to provide a carefully designed structure that is exactly right for your application.

Considerations such as noise criteria, low energy consumption, the appropriate styling and provision for future expansion are all taken into account when selecting equipment for our clients.

COMPANY PROFILE

Thermoteq Limited is one of the leading and most respected company in insulation & pre-fabricated structures in Kenya specializing in:

- * Prefabricated Houses
- * PUF/EPS/Sandwich Panels
- * Pre Engineered Building Solutions
- * Custom Molded Protective EPS Packaging
- * Coldrooms and Coldroom Doors

Complete Design, Engineering, Prototype, Sampling, Part production and just-in-time delivery, all combine to provide total insulation solution.

OUR VISION

To be a market leader in Prefabricated Houses Manufacturing, EPS insulating materials and efficient building solutions (EBS)

MISSION STATEMENT

- * To nurture lasting customer relationship by anticipating needs and delivering beyond expectations.
- * To continuously improve cost stewardship in the value chain.
- * To analyze customer needs and come up with innovative products.
- * To prepare and groom the next generation of young thinkers.
- * To market value added branded products in the domestic and global markets.
- * To “Grow with the Best” customers, suppliers, financial institutions, employees and other stake holders.

CORE VALUES

We believe that working with a company that you trust is imperative when building your dream home.

Thermo sandwich-panels are high quality products produced with profiled Pre-Painted zinc coated Galvalume Coated Steel, Stainless Steel Sheets and combined with Polyurethane / EPS / Acoustic corematerial as the insulation material. with a wide range of different colours cut-to-length in our factory and supplied ready to install our modern building products will take a good share in a highly economic weather-independent and fast modular building process.



Sandwich roof panel



Styrofoam wall panels

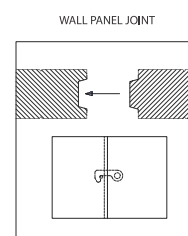
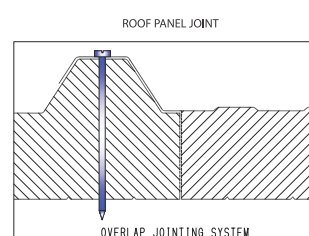
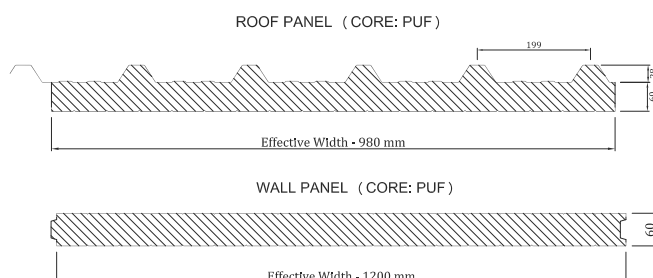


EPS Panels

⊕ INSULATED EPS PANEL SPECIFICATION

Product	PUR/PUF PANEL							
Width - Wall	1200 mm (STANDARD) / CUSTOMIZED							
Width - Roof	980mm							
Core Thickness (mm)	30	40	50	60	80	100	120	150
U 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
Facia Options	PPGS/PPGL/Alu/Tarfelt/Cement Fiber Board/SS							
Density (Kg/m ³)	40±2 Kg/m ³							
Thermal Conductivity at 10°C Mean Temperature (W/m ³ K)	0.023							
Compressive Strength at 10% Deformation (Kg/cm ²)	2.1							
Bending Strength (Kg/cm ²)	4							
Tensile Strength (Kg/cm ²)	3.7							
Adhesive Strength (Kg/cm ²) - Foam to Steel	2.9							
Water Absorption (Volume %)	0.2% at 100% RH							
Closed Cell Content (%)	92-95%							
Vapour Permeability at 90% RH & 38°C (Gms/Hr. sqm)	0.12							
Fire class	Fire Resistant							

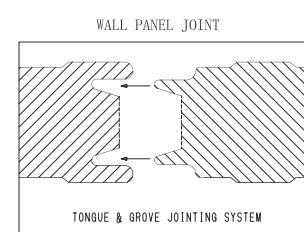
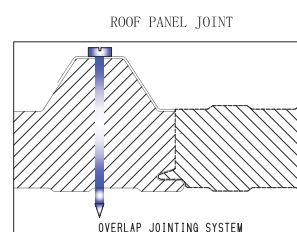
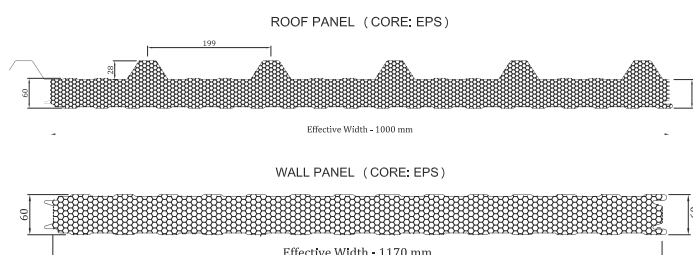
* E-Pack Panels comply with all relevant IS codes.



Product	Rockwool Panel				
Width - Wall	1170 mm				
Width - Roof	1000 mm				
Core Thickness (mm)	50	60	80	100	120
U Value (W/m ² K)	0.068	0.33	0.28	0.22	0.18
R Value (Btu/hr/ft ² /°F)	13	16	20	26	30
Facia Options	PPGS / PPGL				
Density (Kg/m ³)	100-120Kg/m ³				
Thermal Conductivity at 10 ⁰ C Mean Temperature (W/m ⁰ K)	0.04				
Compressive Strength at 10% Deformation (Kg/cm ²)	0.50985				
Bending Strength (Kg/cm ²)	0.7647				
Melting Point	>1000 deg C				
Water Absorption (Volume %)	Less than 1%				
Sound Reduction (db)	28-30				
Fire class	Non - Combustible				

EPS PANEL SPECIFICATIONS

Product	EPS Panels							
Width - Wall	1170mm							
Width - Roof	1000mm							
Core Thickness (mm)	40	50	60	80	100	120	150	
U Value (W/m ⁰ K)	0.87	0.71	0.6	0.46	0.37	0.31	0.25	
R Value (Btu/hr/ft ² /°F)	7	8	9	12	15	18	23	
Facia Options	PPGS / PPGL							
Density (Kg/ m ³)	16-18Kg/m ³ (STANDARD)/20-24 Kg/m ³							
Thermal Conductivity at 10 ⁰ C Mean Temperature (W/m ⁰ K)	0.032							
Compressive Strenght at 10% Deformation (Kg/cm ²)	1.95							
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							
Water Absorption (Volume %)	3%							
Closed Cell Content (%)	90-95%							
Varour Permeability at 90% RH & 38 ⁰ C (Gms/Hr. sqm)	25 - 40							
Fire class	Self Extinguishing							



PRODUCT PORTFOLIO

Application of Thermoteq Sandwich Panels:

- Prefabricated structures
- Lifiable Cabins
- Site offices
- Labour Hutments
- Double storey structure
- Cold Storages/Cold Rooms
- Clean Rooms
- Roofing Sheets
- Solar inverter room
- Solar Mounting Structures & Accessories
- Main control room
- Control Pulpits
- Modular Toilet
- Prefab Villas / Cottages
- Sample Flat / Marketing Office
- Security/Guard huts
- Prefab Godowns
- Prefab Canteen
- Prefab Schools & hospitals
- Military camps
- BTS shelters (Telecom)
- Total Customized Structures

LAMU BEDSITTER



Thermo Holiday Home Bedsitter / 24.75m²

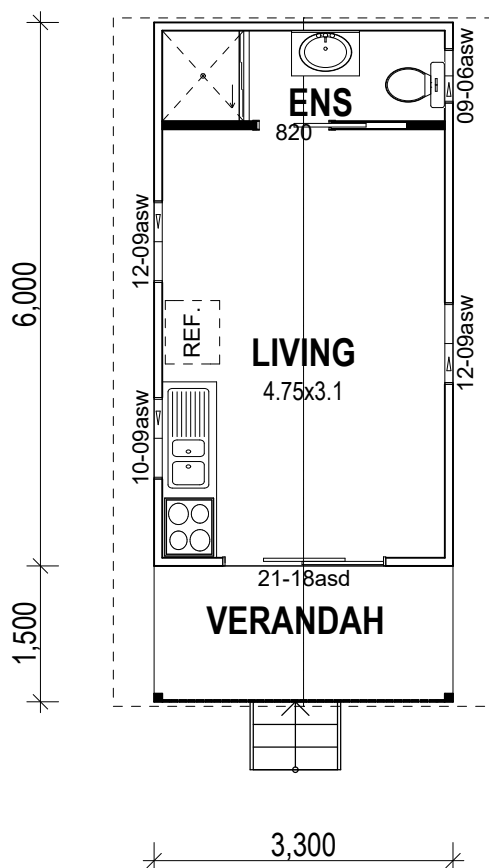
Living Area	19.80m ²
Verandah Area	4.95m ²

A new look for a holiday cottage

Provides the ideal getaway accomodation
for Hotels, Camps and Farmhouses

Kshs. 272,250

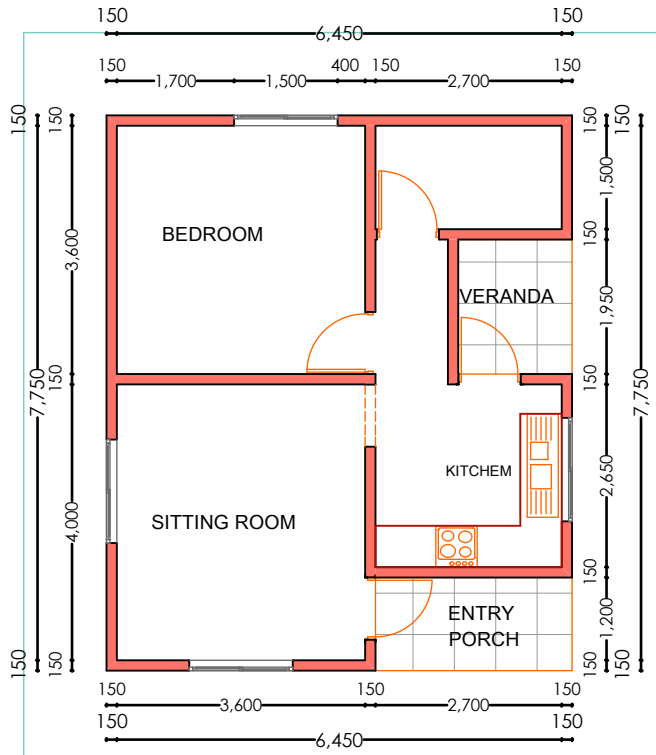
FLOOR PLAN



Some current prefab home designs include architectural details inspired by postmodernism or futurist architecture.

Our modular prefabricated Houses come with economic design, practical and fast installation. EPS panels can be used as a substitute to traditional materials in erecting walls, stairwells, floors and roofs is expected to reduce construction periods as well as direct and indirect building costs efficiency and functional usage.

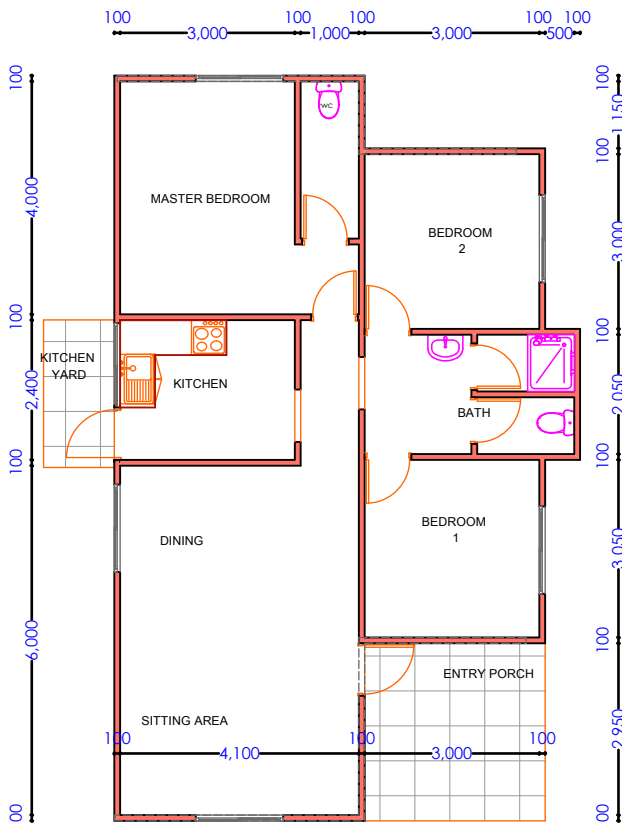
MALINDI 1-BEDROOM



ONE BEDROOM UNIT (54 SQ.M)

PRICE : Kshs. 594,000

NANYUKI 2-BEDROOM



TWO BEDROOM UNIT (75 SQ.M)

PRICE : Kshs. 825,000

BUSIA 3-BEDROOM



THREE BEDROOM UNIT (95 SQ.M)
PRICE : Kshs. 1,045,000

The National & County government can also benefit from the following:

- Hospital
- Warehouses
- Office Buildings
- Schools
- Go-downs

CUSTOMER TO PROVIDE THE FOLLOWING:

1. Customer will pay a commitment fee of ksh 88,000 which is recoverable when the contract is awarded. This cash is to cater for the designs plans, Bill of quantities, site visits and all technical advices.
2. The customer will present the drawings to their local authorities for approval and present an approved plan to us for work to commence.
3. Payment terms will be agreed, and we accept all financing arrangements with reputable financial institutions.
4. Flat and compact ground, with floor slab. This must meet our standards in the Bill of quantities and as approved by the authorities.
5. Security on site
6. Water and source of power on site
7. Meet the cost of obtaining building plan approvals.
8. Meet the insurance costs as all risks and losses will be at the customers risk.

Being one of the leading manufacturers and suppliers of these EPS Insulated Panels, we engage in using of the finest raw materials that are available in the market. For the purpose of maintaining its quality, we abide by the industrial guidelines.



⊕ **COLDROOMS**

The cold rooms offered by Thermoteq are easy to install, have modular construction and are designed with flexible panel sizes. These allow the user optimal temperature management.



Thermoteq walk-in cold rooms offer reliable, efficient environmental controls for a variety of applications; including: GMP Storage and Cold Storage for Seed and Agricultural Products, Nutritional Supplements, and more. Our cold rooms are typically supplied with desiccant.

Type of Doors

- **PUF Insulated Doors:** Single/Double leaf Door made from PUF SANDWICH PANELS with PPGI frame. Door will be provided with high quality hinges, handle, etc. The door will be fixed with the wall panels with adequately designed screws and other hardware's. Sizes of the doors will be standard or customized as per customer's requirement.
- **Aluminum Doors:** Single/Double leaf Door made from half Glass & half laminated board with Aluminum frame. Door will be provided with high quality hinges, handle, etc. The door will be fixed with the wallpanels with adequately designed screws and other hardware's. Sizes of the doors will be standard or customized as per customer's requirement.
- **Cold Room Doors:** Single/Double leaf hinged overlap door made from 60/80/100/120/150MM thick polyurethane foam as core insulation having 40+2kg/m³ density with three sides PVC frame directly mounted to wall panels having four side heavy duty EPDM gaskets with adequately designed European hinges & locks.
- **Clean Room Doors:** Single/Double leaf made from Polyurethane foam / Rock wool / Honeycomb as core insulation with view glass & adequately designed hinges, Handle, Lock, Door Closer & Kick Plate.



⊕ **INTEGRATED WINDOWS**

Thermoteq has carved a niche in the domain of manufacturing premium quality aluminum sliding & fixed windows for various industrial & commercial applications.



WALK-IN DISPLAY CHILLER



Multi Glass Doors walk-in Chiller/Freezer

Model No.	Name	Size (W*D*H mm)
LG-3HB	3 Doors walk-in Chiller/Freezer	2245*1800*2150
LG-4HB	4 Doors walk-in Chiller/Freezer	2950*1800*2150
LG-5HB	5 Doors walk-in Chiller/Freezer	3655*1800*2150
LG-6HB	6 Doors walk-in Chiller/Freezer	4360*1800*2150
LG-7HB	7 Doors walk-in Chiller/Freezer	5065*1800*2150
LG-8HB	8 Doors walk-in Chiller/Freezer	5770*1800*2150
LG-9HB	9 Doors walk-in Chiller/Freezer	6475*1800*2150
LG-10HB	10 Doors walk-in Chiller/Freezer	7180*1800*2150

Multi-Doors Available

1
YEAR

FULL
WARRANTY

UP TO 10
MULTI-DOORS

TEMPERATURE
0~10°C/-18~0°C

DISPLAY CHILLERS



Multi Glass Doors Assembly Display Chiller/Freezer

Model No.	Name	Size (W*D*H mm)
LG-3	3 Doors Display Chiller/Freezer	2200*800*2100
LG-4	4 Doors Display Chiller/Freezer	2900*800*2100
LG-5	5 Doors Display Chiller/Freezer	3600*800*2100
LG-6	6 Doors Display Chiller/Freezer	4300*800*2100
LG-7	7 Doors Display Chiller/Freezer	4980*800*2100
LG-8	8 Doors Display Chiller/Freezer	5680*800*2100
LG-9	9 Doors Display Chiller/Freezer	6380*800*2100
LG-10	10 Doors Display Chiller/Freezer	7080*800*2100

Built-in system &Remote system optional.Multi-Doors Available

1
YEAR

FULL
WARRANTY

UP TO 10
MULTI-DOORS

TEMPERATURE
0~10°C/-18~0°C

⊕ **SITE OFFICE**











RECENT PROJECTS GALLERY

PREFAB STOREY BLOCK



PREFAB CLASSROOMS



PREFAB CHURCH HALL



PREFAB GATEHOUSE



PREFAB OFFICES



WALK-IN COLDROOMS



PREFAB RESIDENTIALS



PREFAB HOSTELS



Security Booths



Parking Booths



ATM Booths



Movable Booths





Showroom



Thermoteq Centre Mombasa Rd, next to BigSquare;
Shell Petrol Station



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