

THERMOTEO

limited

Product Guide



**DEALERS IN COLD: ROOMS, ESP PRODUCTS, PREFAB HOUSES, REFRIGERATION & AIR
CONDITIONING, COMMERCIAL KITCHEN EQUIPMENT AND STAINLESS STEEL PRODUCTS**

About Us

Thermoteq was started over 11 years ago as **Thermoteq Cooling Services Ltd.** With over 11 years experience as an influential industry leader in **Supply & Installation of Air Conditioners & Refrigeration Machines & Equipments & Commercial Kitchen Equipments** in East Africa region with our presence felt in Kenya, Rwanda, and Sudan and soon to roll out to greater East Africa Region.

The company has grown exponentially over the last few years owing to its unique business proposition and quality of project execution leading to the birth of **Thermoteq Ltd.**

We offer complete cooling solutions with introduction for our new line of manufacturing **prefabricated sandwich panels** with expanded polystyrene.

We now specialize in the production and **construction of Cold Rooms and temperature controlled environments.**

Our in-house manufacturing facility caters for insulated panels, insulated doors and ancillaries suitable for a wide range of applications. We are well known for manufacturing to individual customer specifications and sizes, and unlike many suppliers we provide made to measure solutions for customers quickly and cost effectively.

Our reputation for providing high quality products and outstanding service at the most competitive prices has made us first choice for a wide range of businesses in the east African Region at large.

Vision Statement

To be the leading company in Africa, for the design, supply, installation and maintenance of Cold Rooms, Air Conditioners and Kitchen Equipments.

To be a "one stop shop" for providing solutions and services in the Hospitality industry.

Quality Policy

We are committed to customer satisfaction. We achieve this through our customer care desk which monitors and ensures customer satisfaction.

COOLING SOLUTIONS

COLD ROOMS

Our Cold Room industry located in Nairobi is a high quality industrial production of easy assembling and fast installation cold stores, compliant with hygienical and environmental regulations and made of quality materials.

Cold room's main characteristics are fast and easy assembly, observance of hygienical and environmental regulations, high quality materials & rational use of space.

Cold stores models are available in a wide range of typologies and dimensions, ideal for;

- Restaurants
- Hotels
- Canteens
- Pizza Shops
- Green Groceries
- Supermarkets
- Confectionery
- Florist
- Foodstuff shops
- Ice Cream shops
- Dairy Industries
- Hospitals
- Chemist
- Pharmaceutical laboratories
- Storehouse for frozen products,
- warehouse for foodstuff
- Warehouse fruit and vegetables
- Slaughterhouses
- Refrigerated transport Containers
- Mortuary Freezer Rooms

Thermoteq understands that every project is different; therefore we offer a one-stop-shop for all your cold room requirements. To ensure your enquiry is dealt with efficiently our experienced sales advisors can advise you on all aspects of your cold room query and provide you with a fast, accurate cold room quotation.

Our design team will then work with you to ensure we provide you with a site optimized, cost effective cold room solution to suit your specific application.

Mini Box

Ideal for small restaurants, pizza shops, foodstuff shops, greengroceries, florist, etc.



Super Box

Ideal for hotels, restaurants, canteens, hospitals, chemical and pharmaceutical laboratories

Ultra Box

Ideal for supermarkets, hotels, food and fruit and vegetable warehouses, frozen food warehouses, slaughtering plants, maturing warehouses, dairy processing plants

Mega Box

Ideal for supermarkets, food and fruit and vegetable warehouses, frozen food warehouses, slaughtering plants, maturing warehouses, dairy processing plants

Cold Room Specifications

S. No	Model	Size in mm (Lxwxh)	Capacity Tones/24hrs	Compressor Power Kw
1	VCR10	2500X2000XX2000	3	1.5
2	VCR20	3000X3000X2200	6	2
3	VCR30	4500X3000X2200	9	3
4	VCR40	5300X3000X2500	12	4
5	VCR50	6800X3000X2500	15	5
6	VCR60	7000X3500X3000	18	6
7	VCR100	10000X3500X3000	30	10
8	VCR120	11500X3500X3000	36	15
9	VCR150	14300X3500X3000	45	15
10	VCR200	17000X4000X3000	60	20
11	VCR400	34000X4000X3000	120	35

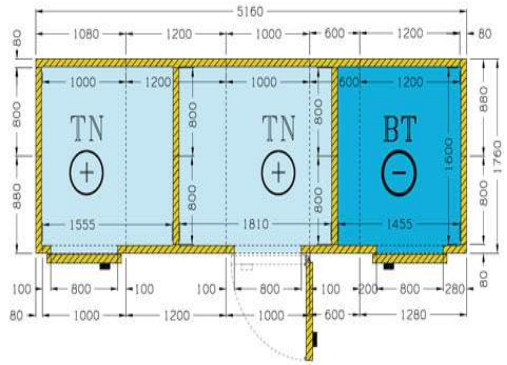
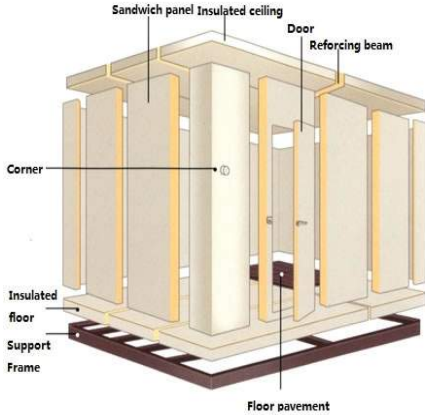
From planning to realization



Our cold rooms characterized by quick and simple installation even in the most complex cases of multiple compartments and differentiated temperatures.

- Internal and external covering in white plastic-coated galvanized steel
- Internal covering in anti-slip gray plastic-coated galvanized steel
- Internal rounded corners at the junction between vertical panels, floor and ceiling

WATER-EXPANDED ENVIRONMENT-FRIENDLY



polyurethane standard doors.

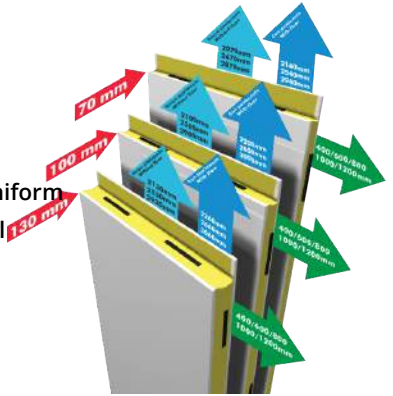
Technical Features

- **THICKNESS** : 60,80,100,125,150MM
- **SURFACE MATERIAL**: GI Pre painted sheets, S,S Sheet (grade 304/316) GI Plain Sheet , Galvanium.(Inside &Outside different metal can be placed as per your requirement)
- **FLOOR**: for Kota stone or Concrete floor both side metal surface panel each side is fit with cam lockwhich is prevent temperature loss.
- **DOOR**: FRP Profile, imported hardware, replaceable gasket by using heater is gives attractive look of door for easy working and easy repairable.
Size: 20"x66" , 30x72" , 34x78" , 60x90"
- **ROOM SIZE**: L&W Minimum 1.5m, height for 60mm thickness 2.47mt. 80mm - 2.51mt , 100mm -2.55mt , 125mm-2.60mt, 150mm-2.65mt ,
- A tongue-and-groove edge profile is moulded into every panel, assuring quick, proper alignment of panel-to-panel joints.

OUR PANELS

Our standard polyurethane (PUR) insulated composite panels are designed to provide a fast, efficient and cost effective wall and ceiling construction system.

We Limited uses a proprietary manufacturing method—Uniform Dispersion Molding (UDM)—to manufacture PUR structural insulated panels by injecting liquid polyurethane foam uniformly between two panel skins.



Refrigeration Units

Depending on the application, different temperature zones need to be maintained, Thermoteq offers a wide variety of both evaporating and condensing units , It includes both air cooled and water- cooled low temperature condensers, with technology from Maneurop.

Condensing Units

These units are characterized by high efficiency heat transfer and low power consumption. Other features include:

- Energy efficient Compressor
- UV and corrosion resistance
- In-built safety and control devices



Evaporating Units

Our evaporating units are compact, slim and sleek, so they occupy minimum space ensuring maximum storage space.

- Removable side panels for easy service
- Corrosion resistance
- Inner grooved copper tubes for superior heat transfer
- In-built defrost heaters for low temperature units



Control panel

- Displays of all operating functions and parameters
- Communication of all faults and alarms
- Total control



MORTUARY COLD ROOMS

Manufactured with high quality materials which guarantee a complete insulation of the cold-room in order to avoid any smell, bacterial or other contamination to the exterior.

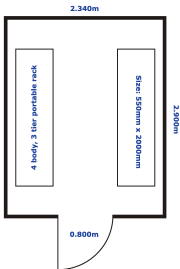
For an easy selection of the right room for your requirements, we have developed a range of standard models of both the mortuary and hospital cold-rooms which can fit up to 32 bodies.

Apart from the rooms themselves, we have a wide variety of accessories.



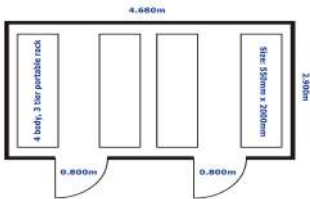
Standard Models	Diagrams	Number of Racks	Number of Doors	Size in Meters
8 Body	As below	2	1	2.34 x 2.9 x 2.4m
16 Body	As below	4	2	4.68 x 2.9 x 2.4m
24 Body	As below	6	3	6.20 x 2.9 x 2.4m
32 Body	As below	8	2	4.68 x 5.24 x 2.4m

6 OR 8 BODY MORTUARY BOX



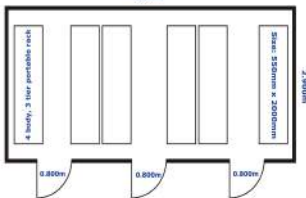
DOOR OPENING: 800 X 2030mm HIGH

12 OR 16 BODY RACK SYSTEM



DOOR OPENING: 800 X 2030mm HIGH

18 OR 24 BODY RACK SYSTEM



DOOR OPENING: 800 X 2030mm HIGH

OPEN CHILLERS

The refrigeration and display performances of Open Chillers are even better and the merchandise receives full valorization through a design aiming to maximum visibility and minimum floor space occupancy.

Nothing less than a breakthrough in the world of refrigerated cabinets, starting from the construction lines that remove any barrier to complete viewing and facilitate better lighting of the goods with a vertical internal canopy equipped with prismatic lens diffusers

Key features

- Vertical curtain chiller and more energy saving when in the night.
- Suitable for supermarket or commercial place
- World famous brand compressor
- Large capacity show and adjustable multideck



Our advantage

1. Famous brand compressor
2. Dynamic fan and evaporator for compressor cooling
3. Mechanical thermostat and with auto frost function
4. Fortified caster wheels for long time use life
5. Digital tem control the top for convenient using



SUPERMARKET ISLAND FREEZERS

A supermarket freezer with a difference.

Island freezer is perfect for the most innovative, flexible and ecological merchandising trends. Each ECO model features innovative technology for maintenance free operation as well as low curved front glass, bright internal lighting and white inner tank to ensure optimum product presentation.

Product Features:

- High efficiency compressor that is 20% more efficient than most island freezers
- Built-in internal LED lighting and white inner tank allow for superb product presentation and visibility
- Flexible placement configurations, including stand alone options
- Maintenance-free condenser technology
- Ecologically friendly with very low heat emission
- Plug-in and unit is ready to use
- Constant temperature control with digital display
- Fully populated with dividers and bases



MEAT SHOWCASES

Meat Show cases have been designed and thought to find a solution to particular problems of space. It is only 90 cm deep. It stands out for its quality and nice design accompanied by an excellent price. Standard fittings: 2 insulated and thermoformed end-walls (40mm thick) with side glass, electronic control panel, refrigerated storage with doors. Customizations on request.



Features :

- Front sliding glass for easy cleaning,
- Aesthetically pleasing aluminium sections used.
- Removable colour coded plastic bumper rail insert
- Adjustable feet for levelling cabinet
- Chromadek exterior finish
- Stainless steel work top for extra durability
- Polyurethane foam injected Temperature regulation by thermostat
- Safety switch in the case of no water
- Light switch Top rear sliding door

REFRIGERATED TRUCKS CONTAINERS



Transporting perishables? Our refrigerated truck containers include a refrigeration unit on the cargo area for climate control. Also known as reefers, these trucks maintain specific climates for temperature-sensitive loads

EXPANDED POLYSTYRENE (EPS PRODUCTS)

EPS is widely used to package fresh fish and produce, as it is able to help keep food fresh through the distribution chain. It is also used within the pharmaceutical industry to package items that are temperature sensitive and need to be moved from one location to another.



Packaging Containers



Fish packs

PREFAB HOUSES

Our product and solutions are tailored for quick and efficient construction and esthetically good looking buildings. All buildings are energy efficient, supplied in a kit form and mostly flat packed. Our products are ideal for mining camps, schools, clinics, offices, accommodation units, and for the low cost housing sector. All buildings are pre-manufactured at our factory in Mombasa Road, Nairobi, Kenya. We guarantee quality building for any of your requirement.

Prefab Container Offices



Prefab Booths



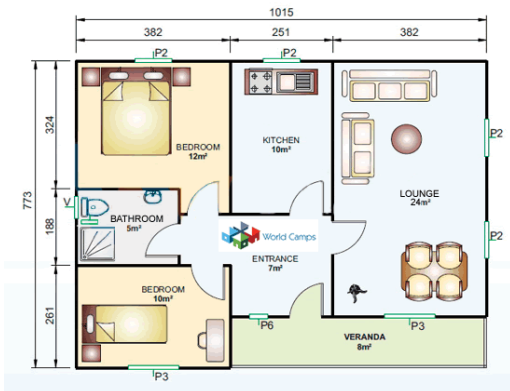
Our modular prefabricated buildings come with ergonomic design, practical and fast installation, high efficiency. The use of EPS panels as a substitute to traditional materials used in erecting walls, stairwells, floors and roofs is expected to reduce construction periods as well as direct and indirect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



Advantages of Prefab Houses.

- Reduced construction time: Time taken to construct a prefab is much less compared to the normal housing
- Design Flexibility: Prefabs can be used to construct any type of houses.
- Low Construction Cost: The prefabs are cheaper than the normal building materials
- High Quality: The plans must be approved prior to construction.
- Environmental Friendly: Prefab requires fewer materials to construct.

If a prefab house is dismantled the prefabs can be used to make another house.
This means minimal wastage.



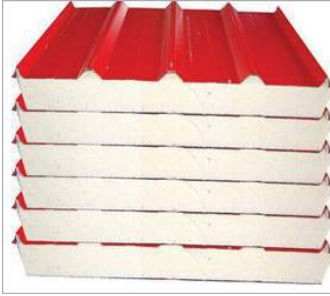
INSULATED ROOF PANELS

ThermoSpan EPS consists of a 0.59mm profiled roofing sheet bonded to an EPS core with a

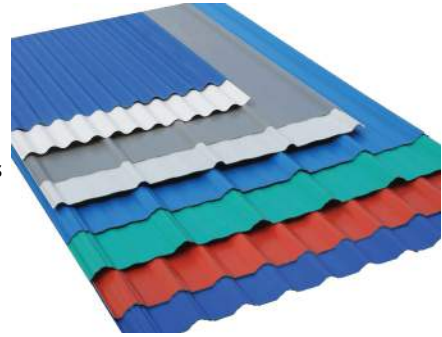
ceiling panel sheet bonded to the underside. ThermoSpan EPS does have fire retardant properties but is not fire rated.

ThermoSpan EPS can be used in a variety of residential and commercial, roof and wall cladding applications.

ThermoSpan EPS panel's are also available in a limited colour range from the Colorsteel range of roof colours and as per attached



High insulation value, good water resistance, light weight and low cost make versatile EPS insulation. ideal for use in a variety of single-ply membrane systems and built-up roofs (BUR) used in new construction and reroofing applications



- Good insulation value, low cost; meets most fire codes and ratings.
- May use EPS/fiberboard composite, or mop and flop fiberboard or per-lite to EPS with asphalt.
- Thermal barrier such as perlite or gypsum board may be factory laminated or attached with mechanical fasteners, asphalt or adhesive.
- Use flat or tapered EPS.
- Adds high insulation but little weight to the existing roof.
- Mechanical fasteners penetrate EPS and attach to deck.
- Stone ballast may be used if weight is not a limitation.
- Long-term performance in a light weight system.
- Span deck flutes and meet code/ insurance requirements with specified underlayment board.
- Flat or tapered EPS insulation panels are loose-laid under membrane.
- Membrane can also be fully adhered or mechanically fastened for a smooth exposed surface.
- Some membranes require barrier sheet separations from EPS.
- Some membranes require barrier sheet separation from EPS.



KITCHEN EQUIPMENT OF PANELS

Thermoteq Ltd are specialists in **Commercial kitchen Design, Supply & Installation** of providing quality Commercial Kitchens and Catering Equipment to leading Restaurants, Hotels, Coffee

Shops, Bakery's, Butchery's, & Institutions throughout Kenya and East Africa at large.

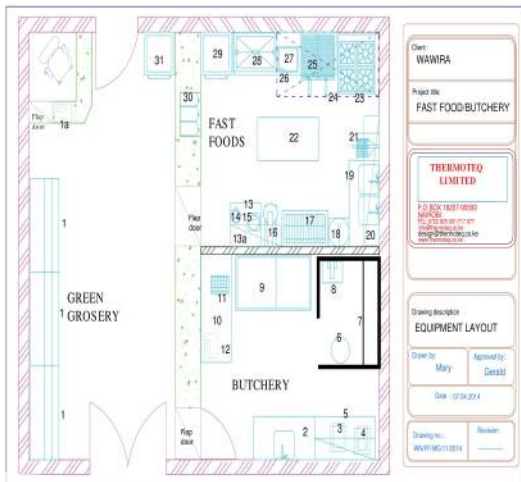
Our equipments are imported from well known brands and are customized for our local market.

With decades of experience in Commercial Kitchen design, our skilled team of Designers, Drafters and Project Managers pride themselves on bringing your vision to life from conception to completion, and on time and on budget.



From simple **Catering Equipment** to large **Commercial Kitchen designs, Butchery, Bakery** and **Kitchen** installations, we guarantee only the best in quality service and materials. In Nairobi, our mega showroom is located at **Sameer Business Park** and you can view our beautiful products on the gateway to East Africa, the Mombasa road.

From planning to realization



PREFAB HOUSES





BAKERY & COFFEE SHOP EQUIPMENT



COOKING EQUIPMENT



BUTCHERY EQUIPMENT

FAST FOOD EQUIPMENT



STAINLESS STEEL FABRICATION



OTHER EQUIPMENT



AIR CONDITIONERS

At **Thermoteq**, we also specialize in the supply, installation, maintenance and repair of **Air Conditioners** to Retail, Commercial, Industrial and Domestic premises throughout East Africa. We can provide our clients with exclusive maintenance and repair contracts offered to all sectors from small offices, homes, retail units to large multi site blue-chip companies and local authority buildings.

We also offer complete facilities management



We provides professional service to you in all areas of commercial air conditioning for Kenya and East Africa, this range from

- Design
- Installation
- Comprehensive after sales service
- Decommissioning and gas reclaiming from redundant systems
- Removal of redundant systems
- Service and Maintenance Programs
- Risk Assessments and Method Statements

SUPPORT, MAINTENANCE & AFTER SALES SERVICE

Why Thermoteq

In our manufacturing plant our team of experienced professional consistently delivers high quality and cost effective solutions in the development of temperature controlled hygienic environments.



Durability

At Thermoteq our culture is focused on quality. We use the best sourced materials in our manufacturing and provide a superior product over the competition.

Every installer is qualified and takes pride in their work and we make sure every project is done right.



Guarantee

For optimum performance the Thermoteq service extends beyond the date of completion. We keep in regular contact and are always available to give maintenance advice, help with alterations, repairs, re-configurations and extensions.

HEAD OFFICE & SHOW ROOM

Sameer Business Park, Mombasa road, Mombasa Nyali Centre

Branches: Nairobi Sameer Business Park, Nairobi-southB, Mombasa, Rwanda

Factory - Soham Petro Station godowns

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