



COLD ROOM

*“Providing Superior Solutions for
your Cold Room needs...”*



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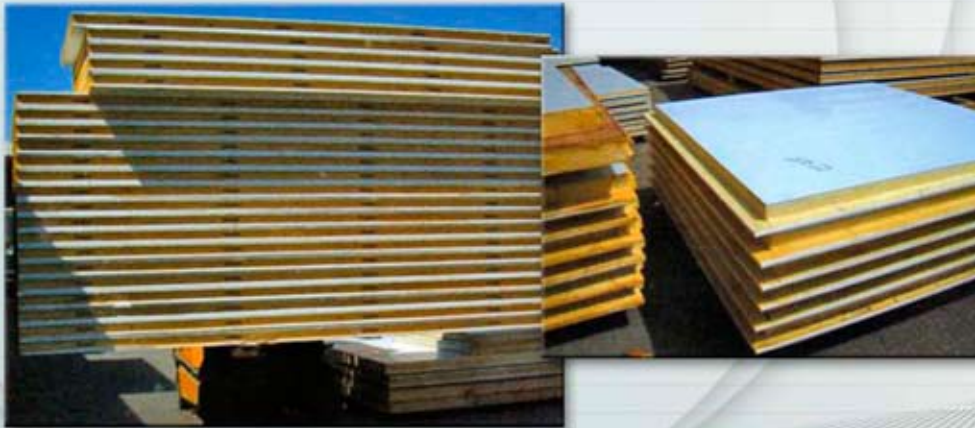
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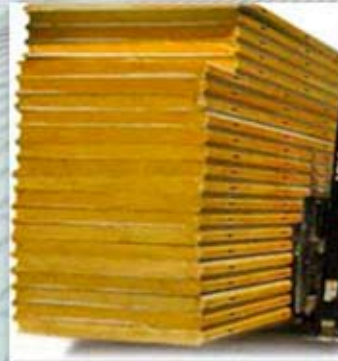


ARAB LAND GROUP is one of the leading trading company for Insulated Panels for Cold Storage Industry and a wide range of refrigeration units for the mobile refrigeration and station refrigeration divisions. We have ranging from an ordinary dry container to most sophisticated hi-tech mobile test laboratories - Refrigerated containers, Insulated containers and dry containers.

Insulated Panels for Cold Storage



Insulated panels of Polyurethane foam rigid injection with the density of 40 to 42 Kg. / M3 which is above the mean density requirement of the industrial refrigeration industry. The selected quality of nature friendly chemicals (CFC free) and preservation of the same temperature-controlled environment assures the quality of the panels. Specially designed ribs on polyester or PVC (Plastisol) pre-coated galvanized iron sheets of 0.5 mm thickness as cladding to make sure the adherence of the foam with the cladding sheets. Panels are available with the thickness of 50mm, 80mm, 100mm, 150mm & 200mm at any length.



Cladding



The panels are made in a standard width by using cladding according to the clients needs:

- Polyester pre-painted galvanized steel
- Galvanized steel with 200 micron PVC coating system (Plastisol)
- Stainless steel
- Stucco embossed Aluminium

The cladding is precisely formed at the edges in a U shape to guarantee superior adhesion between the sheet and polyurethane and is shallow ribbed to provide additional strength and dimensional stability. (Smooth surface optional).

GALVANIZED (G.I.) POLYESTER COATED		GALVANIZED PVC (PLASTOSOL) COATED	
BASE METAL	: HOT DIP ZINC COATED COIL	BASE METAL	: HOT DIP ZINC COATED COIL
	: ASTM A 527 (L.F.Q.)	CODE	: ASTM A 527 (
	: ASTM A 446		: ASTM A 446
GRADE	: G 90 (275 GRM ZINC/M2)	GRADE	: G 90 (275 GRM ZINC/M2)
YIELD STRENGTH	: MIN 33 (KSI)	YIELD STRENGTH	: MIN 33 (KSI)
TENSILE STRENGTH	: MIN 45 (KSI)	TENSILE STRENGTH	: MIN 45 (KSI)
TOTAL COAT THICKNESS	: 25 MICRON (TOP SIDE)	TOTAL COAT THICKNESS	: 200 MICRON (TOP SIDE)
PRIMER THICKNESS	: 5 MICRON (REVERSE SIDE)	PRIMER THICKNESS	: 5 MICRON (REVERSE SIDE)



THK	MAX. WIDTH	MAX. LENGTH
100	1170 mm	12800 mm
120	1170 mm	12800 mm
150	1170 mm	12800 mm

Insulation

All the panels are insulated with polyurethane using foaming agents which are environment friendly and CFC free, but which retain the essential thermal insulation features needed for proper product storage. Panel insulation does not deteriorate over time and does not absorb smells. The panels are neither toxic nor irritating and they do not support the development of fungi or mildew. These products are classified as B2 according to European Fire retardant standards. The high pressure system used for injecting the polyurethane ensures the highest dimensional stability of the product and ensures closed cell density.

Doors

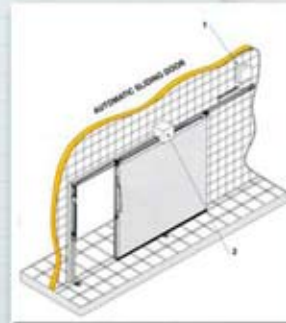
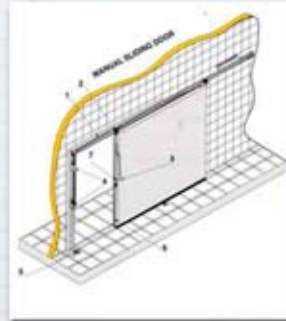
Choice of polyurethane insulated doors are available in different thickness and applications. They can be either hinged or sliding (manual or electric). All types of doors are equipped with standard high quality fittings and accessories such as safety release handles, heater wires, gaskets, aluminium or stainless steel railing, polar strip curtain, pressure relief valve, heater cooler etc..

MANUAL SLIDING DOOR

- Sliding Rail
- Nylon Roller
- External Handle
- Handle Opening Bracket Complete
- Front Guide Fitting
- Fitting for Gasket
- Internal Handle

AUTOMATIC SLIDING DOOR

- Control Box
- Motor, etc.



Optional Accessories

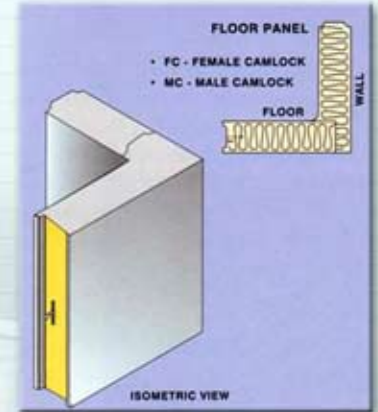


- Controlled atmosphere doors
- Traffic / Swing doors
- Display / thermal glass

Floor & Corner Insulation

For large, medium, small cold stores, recommends P.U. boards for floor insulation. For large forklift operated cold rooms ie more than 6 meters height, polystyrene boards are more effective due to their high comprehensive strength.

For best result, a vapour proof barrier e.g. polythene sheets should be laid down under and above the P.U. boards.



Portable Cold Room



Cold Room Inside



Cold Room - Chiller



Cold Room - Freezer

Refrigerated Container Freezers

Heat insulated airtight body made of polyurethane foam panels, refrigerated with the chosen brands from renowned manufacturers around the globe at the convenience of our customers. The container will have double leaf insulated hinged doors with stainless steel hinges and container type of locking system and polar strip curtain at the rear of the vehicle. Internal Partitions (fixed, Moveable, folding etc.) and Floor finishes (Stainless steel, Plain/Chequered aluminum plates, glass reinforced plastic, Linx etc.) are of optional.



Refrigerated Container Chillers

Other than the temperature requirement becomes 0°C to -5°C the important factor is that refrigeration units allow you to opt between Self Engine and vehicle's engine driven units. The price factor varies drastically between these options regardless of the brands. We also install hydraulic Tail Lift of various capacities to the vehicles.



Insulated Containers

Heat insulated airtight body made of polyurethane foam panels. This body can be air-conditioned and the temperature can be regulated to +18°C without A/C also can be used and this type of body will help you to certain difference between the ambient temperature and room temperature.



Dry Containers

These types of bodies are of any use where the temperature is not all important. Safety & security and convenience are on the priority in this specification. Accordingly the internal finish can be opted with or without plywood. Semi insulation can also be done, as the polyurethane sheets will be inserted in between the external and internal finishes. Custom-made containers are also visualized, designed and fabricated after a careful study of the specific requirement. Specially designed steel/ GRP Air detector is available for a smooth & safer drive.



Beverage Carriers

Special type body for the convenience of carrying the beverages in cartons or bottles with center inclined bed. On request it could be segregated into 6 chambers with individual shutter doors for the convenient delivery. Bottle racks are also being fabricated for those chambers as an optional accessory at an extra cost.



Skid Mounted Refrigerated Freezers/Chiller Containers

40ft-HC, 40ft or 20ft containers and Tow trailer containers of different sizes are also made available.



Delivery Vans

Delivery vans may be converted into chillers (0°C) or freezers (-10°C) for the purpose of short distance deliveries. The temperature is limited, as the capacity and efficiency of the engine driven refrigeration units are limited. Freezer temperature is only possible by increasing the insulation to 10cm thickness.



Ice Machines



The Ice Flaker machine fulfills the high standards of performance, hygiene, ice quality and reliability which the food industry and chemistry require. It is built with a rotating evaporator for the production of ice flakes and is manufactured using only high quality corrosion resistant materials. With the compact design this can be mounted in the proximity of the place of use so that unnecessary transport of ice is avoided.

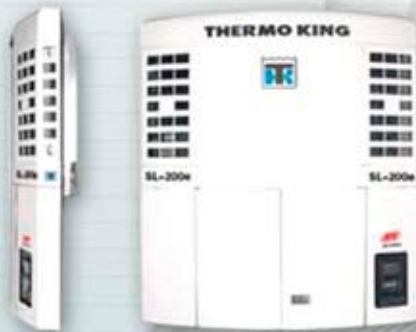


SL-100e

For national distribution on draw-bar and city trailers up to 12 metres.

SL-200e

For national distribution on 33 Euro-pallet (13.6 metre) trailers.



SL-400e

For national distribution and international haulage on trailers up to 15.6 metres

Refrigerated Cargo Containers



- Aluminum, steel or sides
- Double full opening swing doors on one end
- Aluminum T-grade floors
- Most refrigerated machinery features electrical supply as follows: 208/230, 380/460 Volts AC, 3 phase, 50 or 60 cycle
- Temperature range from -20° F to 70° F

Generator Sets "Clip On" Type



The "clip-on" generator set is designed to clip on to the front frame of a refrigerated container. The water cooled diesel generator can provide continuous (single voltage) electrical power to intermodal refrigerated containers. This unit is self contained with an integral 78 U.S. gallon (295 liter) fuel tank combined with engine, generator, battery and all operating controls.