

KoolTemp™ Insulated Pallet Containers – ZX4500

Thermal Protection for Perishables and Valuables

Product Features

- Provides thermal protection for large payloads
- 3" thick walls of extruded polystyrene that may be further protected with refrigerant bricks lining all six interior sides of the container
- Capable of maintaining 2°C to 8°C for as long as 120 hours with properly configured packout
- Will maximize the available space inside an LD-3 container
- Ideal for both transport and intermediate storage of temperature-sensitive goods
- Easy to assemble
- Forklift access from all four sides
- Space-saving knock down unit
- Available for immediate shipment

45 Cubic Foot Capacity

The ZX4500 insulated pallet container is designed to provide excellent, uniform thermal protection for large payloads up to 45 cubic feet. Its size fills the inside of an LD-3 container. It provides 3" thick walls of extruded polystyrene (XPS) and can be further protected with sleeves of Koolit® refrigerant bricks lining all six interior sides of the container. Under proper configuration, the ZX4500 will maintain 2°C to 8°C for as long as 120 hours. The easy-to-assemble ZX4500 is shipped as a knocked down unit with step-by-step assembly instructions.

The excellent thermal performance of the ZX4500 results from its high-quality materials and expert design. The external box is a



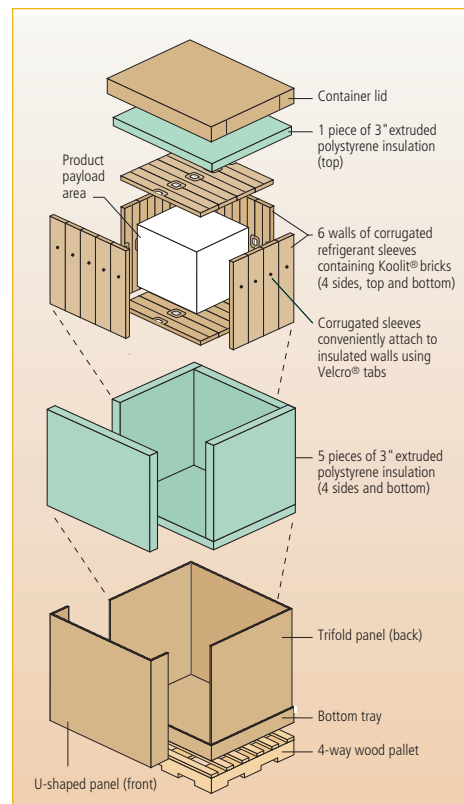
KoolTemp ZX4500 Container

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double-wall 350 lb. corrugate slotted sheet and front panel. Six tightly fitting custom-cut insulation panels of extruded polystyrene line each pallet container. The top and bottom lids are tray-like in design. The corrugate "U" shaped slotted panel and trifold front panel slide into the top and bottom trays. Since the front panel is removable, the container should be banded after closure to ensure a tight fit for all panels. The

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ZX4500 is shipped on a 55" x 48" wooden pallet that is accessible from all four sides with a forklift.



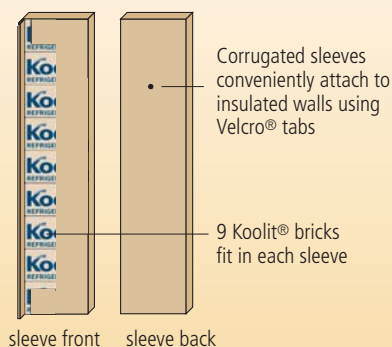
KoolTemp ZX4500 Specifications

Part Number	ZX4500-3
Pallet Size (L x W x H)	55" x 48" x 5"
Outside Dimensions (L x W x H, with pallet)	55" x 48.5" x 52"
Inside Cavity Dimensions with Polystyrene – Internal cubic feet	47.25" x 42" x 40" 45.94
Corrugate Sleeve* Dimensions (ID, L x W x H)	39" x 9" x 1.75"
Placement of Sleeves within Container – Vertical against front and rear (long) walls – Vertical against both sides (short walls) – Bottom of container – Over payload prior to closing container – Total per container	Sleeves 10: 5 for each wall 8: 4 for each wall 4 4 26
Koolit Bricks Held in Each Sleeve – Total per container	9 234
Inside Payload Cavity Dimensions (L x W x H) with polystyrene and sleeves – Internal payload cubic feet	43.75" x 38.5" x 36.5" 35.58
R-Value of Insulation	15
Tare Weight (without refrigerants or pallet)	70 lbs.
Tare Weight (with refrigerants and without pallet)	512 lbs.

KoolTemp ZX4500 Performance

- Sleeves fit along side all six interior extruded polystyrene walls.
- Sleeve construction: die-cut, kraft, C-flute, and 200 lb. burst test.
- Each #305F refrigerated Koolit brick weights 1.89 lbs., and measures 9" x 4" x 1.5" (L x W x H).
- For added convenience, refrigerated bricks (priced separately) are available pre-slotted into sleeves.

Corrugated Sleeve Detail



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