Therm-Cool®

Thermal Insulated Bulkhead
Product Information and
Installation Instructions

The economical solution that enables shipping of
Frozen and Chilled products in the same container.
Therm-Cool® Bulkhead

• The Therm-Cool®, Thermal Insulated Bulkhead, is a one-time-use disposable product that allows shippers to ship both frozen and chilled products in the same refrigerated container or trailer by dividing the container or trailer into two compartments.

• There are 2 models: One for 40’ refer containers and one for 53’ domestic refer trailers.
Container / Trailer Preparation

• NOTE: The following pages are for illustration purposes only.

• In an actual installation you would:
  – “Pre-chill” the container or trailer
  – Load the frozen cargo first
  – Install 2 pallets vertically as a spacer between the frozen cargo and the bulkhead
  – Then install the Therm-Cool® Insulated Bulkhead.
Therm-Cool® Bulkhead, 40’

- Model 1577 bulkhead installed in a 40’ refer container.
- Shows laminated insulating panel.
- Laminated floor barrier material.
- Foam blocks not shown.
Install Foam Blocks

- Start at the spacer pallets and install the foam blocks.
- 36 blocks are shipped with each bulkhead.
- There are 36 floor rail slots in each container.
Install the Bulkhead

• Place the bulkhead in the container with the “bottom edge” on the foam blocks

• Position the bulkhead so it opens and rests on the “side edges”.
Install The Bulkhead Cont.

• The edge flaps should fold into place as shown at left.
• Be sure to check both sides for proper fit.
Install the Bulkhead Cont.

- Gradually lift the bulkhead into place.
- The “spacer pallets” will prevent the bulkhead from sliding.
- Leave the laminated floor barrier material on the floor.
Install the Bulkhead Cont.

- When almost completely vertical the top flap will start to fold over.
- This top flap then forms a gasket between the ceiling and the bulkhead.
Install the Bulkhead Cont.

• Unfold and spread out the laminated floor cover material.

• Be Easy! Do Not pull too hard or it may come unglued from the bottom of the bulkhead.
Install the Bulkhead Cont.

- The floor cover material should extend to the side walls.
- The floor cover along with the foam blocks prevent freezing air from circulating under the bulkhead into the chilled section.
Installation Cont.

• Both ventilation cutouts should be removed to complete the installation.

• The resulting air vents are designed to maintain 0° F in the frozen side and 36° F in the chilled side.
Installation Complete

- You are now ready to load your Chilled Cargo.
- Laminated floor material is tough enough to load pallets with a forklift without tearing.
Current Applications

- The Therm-Cool® Insulated bulkhead is used by several shippers to provide consolidated refrigerated freight service for:
  - Wendys
  - McDonalds
  - Pizza Hut
  - and several other companies from Florida to the Caribbean and Central America.
Available Models

• Model 1577, Insulated Bulkhead for 40’ Refrigerated Containers
  – Packed 13 pcs. on a pallet
  – Includes 36 pcs. foam blocks per bulkhead

• Model 1677, Insulated Bulkhead for 53’ Refrigerated Trailers
  – Packed 13 pcs. on a pallet
  – Includes 36 pcs. Foam blocks per bulkhead
Manufactured and Distributed by:

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“The Intermodal Hardware Specialists”

• Minimum order is 13 pcs.
• All orders shipped in multiples of 13 pcs
  FCA our warehouse, Jacksonville, Florida.
• Available from stock with 3 week lead time
  for production quantities of 65 pcs or more.