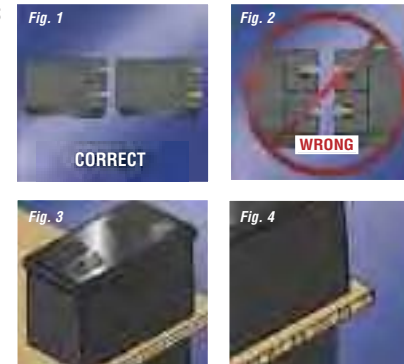


Packaging and Securing Used Stationary Batteries/Cells

THESE GUIDELINES ARE TO ASSIST IN COMPLIANCE WITH FEDERAL DEPARTMENT OF TRANSPORTATION (USDOT) REGULATIONS¹. PLEASE ASSIST THE DRIVER IN COMPLYING WITH THE LAW. FAILURE TO COMPLY WITH THE GUIDELINES CAN RESULT IN REFUSAL BY THE CARRIER TO ACCEPT MATERIAL. IN ADDITION, FAILURE TO COMPLY CAN RESULT IN FINES AND PENALTIES FROM FEDERAL, STATE, AND LOCAL AUTHORITIES.

INSTRUCTIONS FOR STACKING USED STATIONARY MONOBLOCK BATTERIES

1. Select a sturdy skid/pallet with no broken or missing boards. (See "Skid/Pallet Specifications" for details).
2. Be sure there are no nails sticking up, which could puncture the batteries. Stack return battery pallet using pallet provided with new shipment if possible.
3. Place a layer of cardboard on the pallet to prevent the batteries from sliding off of the pallet.
4. Make the first layer of batteries level and as close together as possible. If some of the batteries are shorter, they should be placed in the center of layers. Any taller batteries should be placed on the top layer.
5. Place waffleboard (preferred) or sufficient cardboard (multiple sheets if necessary) between all layers, including the top layer of batteries to prevent the possibility of puncturing the batteries above and short circuits. Place cardboard on top of pallet.
6. Batteries with terminals on the side must be stacked so the posts are facing away from each other and not facing towards the outside of the pallet. Terminals on the side must never touch. (see Fig.1 and 2)
7. Terminals on the top must be positioned toward the outside of the pallet so the layer above it leans toward the center. (Fig. 3) Make sure that no batteries are overhanging the waffleboard or sheets of cardboard. (Fig. 4)
8. Stud terminal batteries should be on the top layer. If this is not possible, you will need extra layers of cardboard between the layers of batteries to prevent punctures.



INSTRUCTIONS FOR WRAPPING USED STATIONARY MONOBLOCK BATTERIES FOR SHIPMENT

All batteries must be secured to the pallet with stretch wrap. Stretch wrap works best if it is pulled tight before stretching it around the corners.

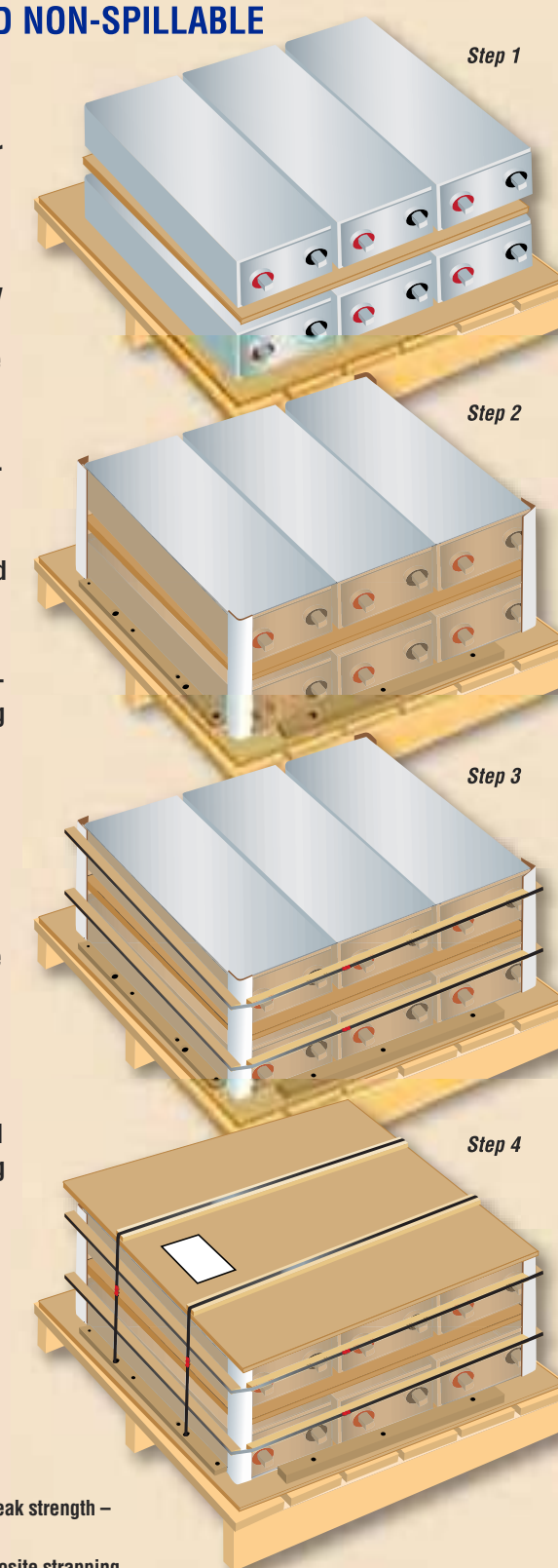
1. Start with the stretch wrap turned sideways to create a rope effect (see fig. 1). Wrap around the top layer at least twice. *
2. Still using the rope effect, wrap the top layer twice* again, crossing over the top each time to form an "X-pattern." This will pull the batteries towards the center to prevent batteries from falling off of the pallet, a DOT requirement.
3. Hold the stretch wrap open (see fig. 2 and 3), wrap around the bottom layer twice*, being sure to catch the edges of the pallet.
4. Finally, after placing cardboard on top of the batteries, wrap around the top layer twice* with the stretch wrap in the open effect and tear at the last corner.

* Wrap as many times as necessary to stabilize the load



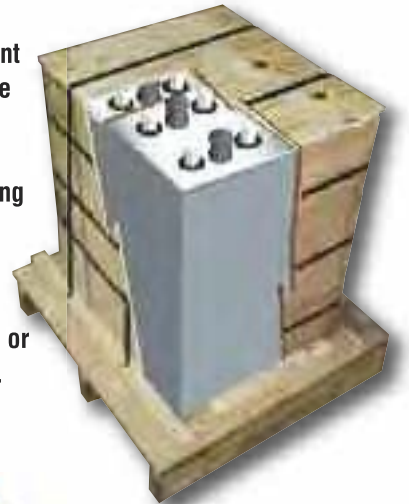
INSTRUCTIONS FOR PREPARING USED NON-SPILLABLE STATIONARY CELLS FOR SHIPMENT

1. Place cells on skid/pallet that meets pallet specifications noted in this document. Use Triwall (3 Layer Cardboard) or Waffleboard between layers.
2. Place 1/2" plywood sheet on the top of pallet. Place your first layer of cells on top of the plywood. Place cells on their side to help avoid the possibility of them falling over during shipment. Place one layer of 5/8" Triwall or Waffleboard on the top of the first layer of cells. Place the next layer using the same guidelines. Continue building layers, making sure that you do not exceed maximum pallet weight. (See Step 1). Place Triwall or Waffleboard around ALL sides of the cells.
3. Secure the cells by nailing wooden cleats to the skid on all sides so the Triwall is held tightly against the cells and will remain vertical.
4. Install cardboard corner supports initially with packing tape to make it easier to manage before banding (See Step 2).
5. Install metal or plastic banding² horizontally around each layer of cells as shown in drawing (Step 3). Before pulling tight, place wooden strips under the banding as shown to provide support for the cardboard. Note, the wooden strips can be held in place with packing tape to make it easier to manage before tightening the banding.
6. Once each layer has one horizontal band securing them, place 1/2" plywood on the top layer and secure with two bands vertically that run from front to back on the skid. Drill holes through cleating/skid boards as close to cells as possible and run banding through holes and around batteries to secure.
7. After you have completed banding, place the RSA tag on top of the pallet to complete preparation for shipping (See Step 4).



INSTRUCTIONS FOR PREPARING USED FLOODED STATIONARY CELLS FOR SHIPMENT

- Cells must be palletized using a skid/pallet (See "Skid/Pallet Specifications" for details).
- Cells must be upright and secured with wooden cleats on skid/pallet.
- Cells must be banded with steel or plastic banding² and a minimum of three horizontal bands and two vertical bands around cells are required.
- Adequate reinforcement (e.g. plywood) must be placed on the top and sides of the cells to prevent shorting, cutting or distortion.
- Metal banding CANNOT come in contact with the posts or terminals of the cells.



NOTE:

Do not run banding around the outside of skid boards to avoid the possibility of boards collapsing during shipment.

These Guidelines were developed by a committee of industry experts and are believed adequate to assure compliance with USDOT requirements effective as of December, 2010. However, especially if an incident occurs in transit, regulatory authorities may challenge the adequacy of your packaging and load securing notwithstanding your compliance with these Guidelines. Seek legal advice if you have any questions about these issues.

For more information, contact Unigy Sales at:
610-682-3263



WAFFLEBOARD OR SHEETS OF CARDBOARD*

BATTERIES

WAFFLEBOARD PREFERRED*
(MINIMIZES POTENTIAL FOR POST PENETRATION AND SHORT CIRCUIT)

BATTERIES

WAFFLEBOARD PREFERRED*
(MINIMIZES POTENTIAL FOR POST PENETRATION AND SHORT CIRCUIT)

BATTERIES

CARDBOARD
SKID BOARDS
RUNNERS

* See item 4 and 7 under Stacking Pallet Instructions

IMPORTANT GENERAL HANDLING REQUIREMENTS

Before handling battery/cell(s), please read and adhere to all of the following requirements:

- Wear the appropriate personal protection equipment
- Handle all returned batteries with the same responsible care as new batteries
- Keep batteries upright at all times. Do not tip over on side or upside down (Except Non-Spillables)
- Do not drop batteries. Put batteries carefully down on skid/pallet
- Only lead-acid batteries may be returned
- Do not double stack cells or batteries on skid/pallet
- Terminals must be protected with non-conductive caps, tape or other insulating material (e.g. waffleboard, cardboard) to prevent shorting
- Total height of package not to exceed 1 1/2 times the skid/pallet width
- Any damaged or cracked cell must be free of electrolyte and placed in a heavyweight clear polyethylene plastic bag (min. 6 mil) that is securely closed.
- All vent caps must be in place

IMPORTANT SKID/PALLET SPECIFICATIONS

- Use a skid/pallet provided with a new shipment to return used motive batteries if possible
- Maximum skid/pallet sizes: 48" x 44" or 48" x 40"
- Skid/pallet boards: 5/8 inch thick minimum preferred
- Skid/pallet must be constructed with a minimum of three bottom runners
- Skid/pallet sturdy and durable enough to handle the weight of battery load