



## **SHOWER DOORS GENERAL PACKAGING SPECIFICATIONS**

**Purpose:** To develop optimum packaging elements for shower doors shipped to Lowe's.

### **SECTION I – TRANSIT TESTING REQUIREMENTS**

The following testing procedures must be passed:

#### **Vibration and Impact Tests:**

- Vibration testing per ISTA procedures.
- Impact testing consists of a rotational drop free-fall. The unit is allowed to free fall on both the front and back face from a vertical position.

#### **Horizontal Compression Tests:**

- Packaged product should be compression tested in to identify the maximum clamping pressure the product will withstand without damages. Once the maximum pressure is determined, the lowest handling pressure needed should be selected from the following options:
  1. 750 psi = Level 1 setting for the DCs
  2. 1000 psi = Level 2 setting for the DCs
  3. 1800 psi = Level 3 setting for the DCs
- The recommended handling pressure should be communicated utilizing the appropriate icon in Section IV.
- Preferably, a product should be capable of being clamp handled in both front to back and side to side configurations. However, if this is not possible, the Do Not Clamp icon in Section IV should be placed on the appropriate surface to advise the operators not to clamp from that side.
- Containers/trailers should be loaded in such a manner to allow the recommended clamping orientation.

## SECTION II – REQUIRED PACKAGING COMPONENTS

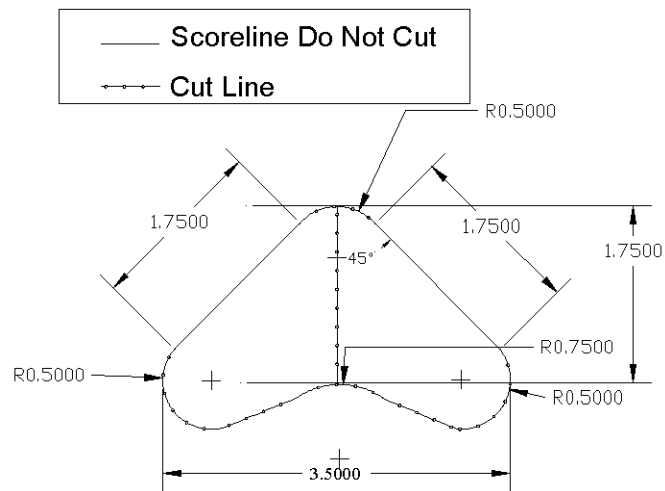
### Internal Packaging Components:

- Finished exposed surfaces (painted, coated or polished) must be protected from corrugate or EPS abrasion by an adequate protective barrier such as poly foam, plastic sheeting, etc.
- All components must be adequately secured and protected to prevent movement of product inside master carton i.e. no metal to metal contact.

### Access Holes (when applicable if used):

- Access holes must comply with the Lowe's Access Hole Specification and be located in appropriate areas to facilitate handling of the product at Distribution Center and Store level. Hand access must not be hindered by grill components or internal packaging. Access holes should be utilized based on carton size and handling issues.

#### SEE BELOW FOR ACCESS HOLE SPECIFICATION



### Plastic Strapping:

- Minimum width = 1/2". Strapping should be either white or semi-transparent
- If metal clips are utilized to secure the strapping, they must be free of sharp points or edges.

### Sealing Tape:

- Minimum of 2-1/2" wide with biaxial oriented polypropylene backing and pressure sensitive hot melt rubber resin adhesive.
- The tape must be resistant to aging and tolerate wide climate variations. Smooth and wrinkle-free application is required and the tape must extend at least 3" on the side panels of both the carton top and bottom.

### Section III - PALLETIZED GOODS

#### A. Corner Protection:

- ◆ Rigid angle board or corrugate material should be placed between stretch wrap and product.

#### B. Pallets:

- ◆ Pallets must be constructed of clean sawn hardwood and be sized to allow minimal overhang of product.

### SECTION IV – PACKAGE HANDLING SYMBOLS



Clamp Icon & Setting

Use this icon on the appropriate facing panel when clamping the packaging. Insert correct pressure setting number (1, 2 Or 3)



No Clamp Icon

Use this icon on the appropriate facing panel when clamping should not be used