

1. STORAGE

Panels may be stored indoors or outdoors but they should be left in their crates until they are required. The crates can be stored on their sides or flat.

If the material is stored outdoors it must be covered with a weather proof flame resistant type of sheeting or tarpaulin and raised 4 inches off the ground to prevent flooding. If the material is stored flat it is particularly important that water cannot accumulate in puddles on the panel surface (make sure there are no holes in the covering).

The storage area shall be kept clear of discarded packaging materials and other trash.

Access to the storage area shall be controlled and limited to designated personnel.

All items shall be plainly marked so that they can be identified without excessive handling.

In the event of a fire in the storage area, or at anytime the material has been subjected to temperatures over 150 degrees F, or smoke contamination, the panels must be inspected by a qualified person before installation.

2. INSTALLATION

General Installation Notes

The panels must be installed according to the shop drawings, the installation instructions, and any special instructions on the drawings.

**TO AVOID INJURY TO PERSONS OUTSIDE THE PROTECTED AREA
THE FRONT OF THE PANELS SHOULD NOT BE ADJACENT TO PUBLIC AREAS.**

**DO NOT PERMIT EQUIPMENT INSTALLATIONS OR MATERIAL STORAGE TO
SHIELD THE PANELS FROM A POTENTIAL DEFLAGRATION, OR ALLOW
MATERIALS TO ACCUMULATE ON THE EXTERIOR THAT WOULD PREVENT THE
PANELS FROM OPENING.**

All fasteners must be installed according to the fastener manufacturers instructions in the locations indicated on the shop drawings (look for any special instructions that may be on the shop drawings). Particular attention has to be paid to concrete fasteners. It is important that separation distances between fasteners and edge distances be maintained according to the fastener manufacturer's instructions.

PANEL INSTALLATION

1. Inspection of the Opening: Measure the opening and confirm that the actual opening size agrees with the shop drawings. Look for the marking on the panel and make sure that position of the panels in the opening, the material framing the opening and provisions for fastening the panels into the opening all agree with the shop drawings.
2. Fixed frame Installation: The panel is comprised of a fixed frame (made by horizontal and vertical mullions) and the operating panels. Operating panels are shipped loose into the frame since they need to be secured into the frame on site. The mullions of panels installed in a bank interlock with one another. Install the fixed frames first in the opening using the aluminum clips at the head and sill of the system. The locations of clips are shown on the shop drawings. The aluminum clips are always attached to the jambs or mullions. While installing clips be sure that the screws are driven inside the frames and not between the operating panel and the frame. If screws are allowed to enter the space between the panel and the frame they will interfere with the opening of the panel (refer to the shop drawings and precautionary notes).
3. After installation of the frames install the gasket strips provided on the bottom frame of each panel approx. 3" from the edges. (2 pieces per panel)
4. Install the operating panel into the fixed frame
5. Install the restraint cable by hooking it on the eye bolt provided on each panel as shown in the shop drawings. This will allow keeping the panel in the opening while you secure it in to the fixed frame.
6. Place and attached the pressure plate to the frame by using the release fasteners provided. Please see the shop drawing for release fastener locations.
7. Install the pressure plate covers.
8. Inspection of Panels before Caulking: After installation of the panels in the opening and before caulking panels must be checked for squareness by measuring the diagonal dimensions of the outside frame. Diagonals must be within 3/16 inch of each other. **CORRECT OPERATION OF THE PANELS IS DEPENDENT ON THEIR BEING INSTALLED SQUARE AND PLUMB.**
9. Seal around the panel. Note that **ONLY** the exterior fixed frames are caulked (see shop drawings), **DO NOT SEAL IN BETWEEN THE PANELS. THE SEALING IN BETWEEN THE PANELS WILL PREVENT THE PANELS FROM OPENING.**

3. MAINTENANCE INSTRUCTIONS FOR EXPLOVENT PRODUCTS

The Explovent system as well as being an over pressure vent system, is part of the building envelope, and consequently is designed to be as maintenance free as possible. There are no parts requiring lubrication. If desired, the exterior surfaces can be washed down with a mild soap and water solution.

There should be an initial inspection to ensure that the panels have been installed level and square.

The most important regular maintenance item is house keeping. The Explovent panels should be inspected on a regular basis. The frequency will depend on the environmental and service conditions to which the panels will be exposed. Processes or occupancy changes that may introduce significant changes in conditions, such as changes in severity of corrosive conditions, increases in accumulation of deposits or debris etc., may require more frequent inspection.

Obvious physical damage or corrosion, and any other defects found during inspection should be reported to maintenance management.

Source of Installation Advice

To obtain advice or engineering help contact:

Construction Specialties Company
895 Lakefront Promenade
Mississauga Ontario L5E - 2C2
Phone (905) 274 - 3611
Fax (905) 274 - 6241

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