

Contractor's Guide for Storage and Assembly of Prismatic Guide Signs

Instructional Bulletin # 8.04.

Dated: 01/06/03

This instructional bulletin provides recommendations for the proper storage and installation of Prismatic guide mounted road signs

Storage of Finished Signs:

Guide signs usually arrive from the fabricator in a crated form. These crates are commonly constructed from wood or steel, and resemble a frame for the sign. These signs are usually crated face to face, with an air gap between the signs. If signs arrive loose in the crate, and appear to be touching each other with no padding between them, inspect them for damage before installation.

Guide signs should be stored inside if they are to sit outside for more than ninety days. Storing signs in an enclosed, non-climate-controlled trailer is not recommended, as the non-controlled environment can have a negative effect on the desired performance of the sign.

If signs must be stored outside, they must be stored vertically with at least a 4" gap between the signs. This air gap will not only allow for proper moisture evaporation, but protection from compressing the reflective materials as well. All slip sheeting and foam packing material used during transportation must be removed and not allowed to come in to contact with the face of the sign. It is also very important that the signs are not subjected to water runoffs or downspouts from buildings.

It is imperative that the signs are not resting directly on the ground. The signs should be lifted off of the ground by placing them on wood or other materials that will keep them free from standing water, mud, or other surfaces that may cause damage to the signs. This damage includes not only water and dirt penetration, but also dents caused by stones or other ground surfaces. Improper storage of signs voids all warranties.

A successful way to store guide signs is to leave the signs in the crates they arrive in. If freestanding racks are available, signs can be removed from the crates and stored vertical.

The following guidelines and procedures must be performed in order to achieve maximum performance of Prismatic guide mounted road signs

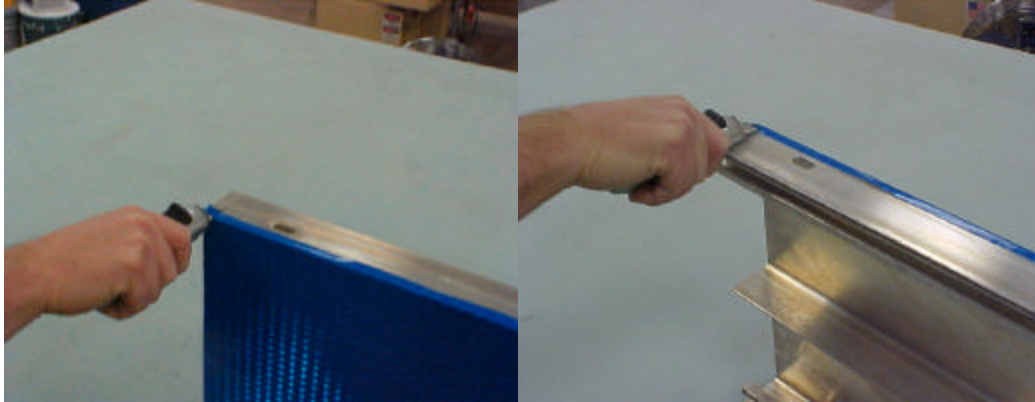
Sign Inspection and Installation Tips:

Prior to installation, guide signs should be inspected for the following.

- **Handling or shipment damage**
- **Edge wrap lifting**
- **Wrinkles, bubbles or lifting on the sign face**

Close observation needs to be taken around the edges of the panels. Most defects that occur on guide mounted road signs begin with poor edge wrapping. If poor edge wrapping is noticed prior to installation, the sign should be corrected prior to installation. For prismatic sheeting, it is highly recommended that any panels not butted together in the final assembly process be edge trimmed flush with the sign face surface to

prevent edge lifting of the sheeting. In case of 12" extrusions, exposed edges would be the top edge of the top panel, and the bottom edge of the bottom panel. **(Picture #1 & 2)**



Picture #1

Picture #2

When two sign components are to be joined, the butted edges of the two components need to be inspected for satisfactory edge adhesion prior to assembly. If poor edge adhesion is noticed, the butted edges should be securely taped with Mavco duct tape to eliminate further lifting of the sheeting. The tape should not be visible on the sign face and only used along the edge of the panel. In the case where two separate components of the sign will be joined, it is important to properly align the two separate sign components. When joining the signs caution and care need to be taken to avoid damage to the butted edges of the two sign components. Damage to the sheeting while joining the two sign components may cause the sheeting to lift and fail on the sign. When joining two sign components, even pressure needs to be applied. It is important that the entire sign has equal amounts of pressure during installation. Too much pressure on either side of the sign may force the butted edges of prismatic sheeting out of the joints. This may cause the face of the sheeting to separate from the substrate. As a general rule, when joining two sign components there should be a slight gap between the edges. The slight gap will allow for the expansion and contraction of the aluminum and sheeting over time. **(Picture #3)**



Picture #3

The above recommendations are intended as a source of information for the installation of Prismatic guide mounted road signs.

Avery Dennison's liability for defective products shall not exceed the purchase price paid therefore by Purchaser and in no event shall Avery Dennison be responsible for any incidental or consequential damages whether foreseeable or not, caused by defects in such product, whether such damage occurs or is discovered before or after replacement or credit, and whether or not such damage is caused by Avery Dennison's negligence.

NO EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES, WHETHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, OR OTHERWISE (EXCEPT AS TO TITLE), OTHER THAN THOSE EXPRESSLY SET FORTH ABOVE WHICH ARE MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, SHALL APPLY TO PRODUCTS SOLD BY AVERY DENNISON. AVERY DENNISON SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING CONDITIONS SHALL BE VALID UNLESS MADE IN WRITING AND MANUALLY SIGNED BY AN OFFICER OF AVERY DENNISON.

Avery Dennison, 6565 W. Howard, Niles, IL 60714, USA, 1-800-327-5917, www.reflectives.averydennison.com