

Sign Handling and Storage Guide

Document: TDB-109, rev 0

Technical Data Bulletin

Document Introduction

This Technical Data Bulletin outlines recommended procedures for the handling and storage of finished reflective sign panels made with Aura Optical Systems' reflective sheeting products.

NOTE: If these procedures are not properly followed, any warranties provided by Aura Optical Systems may be voided.

Packaging of Finished Sign Panels

1. Finished sign panels should be packaged with foam padding or slip sheeting between the individual sign panels.
2. Finished sign panels must be packaged in such a way to prevent the slip sheeting or foam padding from becoming wet during transit.
3. Sign panels should be shipped in boxes or upright in manufactured frames.

Sign Face Cleaning Guidelines

1. Use a mild water-based detergent cleaning solution to wipe the sign faces.
2. Never use acids or strong solvents to clean the sign face.
3. Do not use high-pressure spray washing or any abrasive materials to clean the face of the sign.
4. Always test an edge of the sign face with the cleaning solution prior to cleaning the entire sign face.
5. Allow the sign faces to naturally air dry. Never package, stack, or store finished sign panels while still wet.

Storage of Finished Sign Panels

1. Upon receipt of finished sign panels, all signs should be unpackaged and stored in an upright position in a dry environment. Be sure to maintain padding between individual sign panels.
2. During storage, avoid compression points (such as being stacked against a rail or post), which may damage areas of the reflective sheeting causing a loss in retroreflectivity.
3. Do not store the sign panels stacked in a horizontal position. The weight of the stack of sign panels may damage the reflective glass bead or microprismatic optical elements in the sheeting.
4. If any finished signs or packaging materials become wet prior to sign installation, immediately separate the signs and allow to naturally air dry. Trapped water and moisture that is not allowed to naturally evaporate may irreversibly damage the reflective sheeting face. Never use batch ovens to dry packaged signs.
5. Finished sign panels should never be stored in high humidity environments (such as a shipping container or warehouse without environmental temperature controls).
6. When finished sign panels are transported to the road installation location, it is important that the signs panels not be stored in outdoor environments with packaging materials on the face of the reflective sheeting. Similarly, never stack in mud or water.

Guidelines for Sign Installation

1. During installation to a sign post, use a nylon washer between the bolt and the sign face. Do not use metal washers that may oxidize or degrade over time.
2. Do not over-tighten nuts and bolts. This may cause a halo-effect around the sheeting causing permanent damage.



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