



Railroad Conspicuity Tape Comparison Panel Kit

KEEPING RAILROADS SAFE



Retroreflective conspicuity tape on the sides of railcars improves motorist safety at railroad crossings.

Railcars and locomotives face tough environmental conditions, and not all brands of reflective tape last as long as others. Now maintenance crews can quickly and economically evaluate retroreflective performance of the tape in compliance with AAR specifications and guidelines.

The Avery Dennison® Comparison Panel Kit



PANEL FEATURES

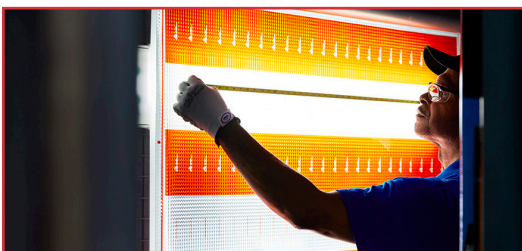
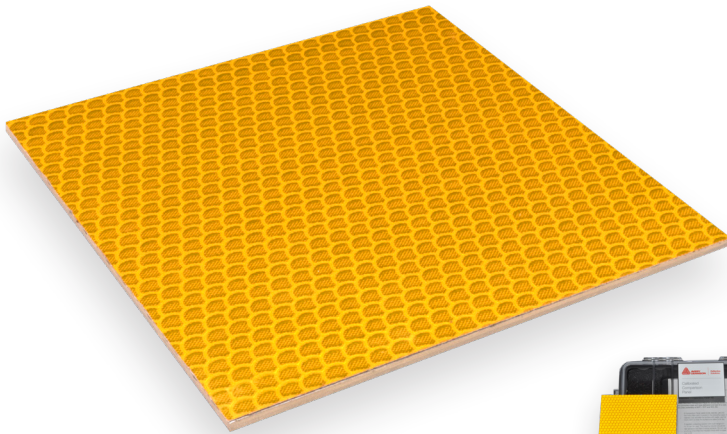
Versatile panels with sheeting calibrated to exact range of retroreflectivity requirements for use with all brands of tape

Sturdy aluminum panel with magnetic backing strips for easy application on railcars/locomotives

Durable Pelican™ case protects comparison panel and kit contents

KIT INCLUDES

Pelican carrying case, comparison panel, microfiber cloth, handling & usage guide



USING PATENTED PROCESSES, the retroreflective surface is treated to purposely manipulate retroreflectivity levels. The process is verified using ASTM Standards E809-08 and E-810-03, and RoadVista® 940D photometric range system including light tunnel and goniometer to create the exact geometry in order to achieve and ensure retroreflective compliance. Panels are dated and numbered, with the data stored for future reference. Avery Dennison manufacturing facilities and quality laboratories comply with ISO 9001:2015 Quality Management Standards.

Improperly calibrated panels may waste time and money by causing good sheeting to be needlessly replaced. Worse yet, safety can be compromised by leaving bad sheeting in service on the railcar/locomotive. Trust only certified comparison panels measured by these ASTM test methods.

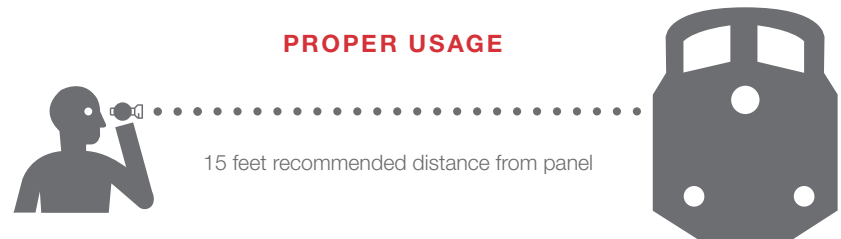


Compliance is Simple

Each comparison panel is manufactured and calibrated to the retroreflective level specified in AAR Standard S-916, Retroreflective Comparator Panel Requirements. The Avery Dennison Comparison Panel is a precision reference sample with a design life of one-year. Performance in the narrow range specified requires annual replacement based on the expiration date shown on the panel label.

PERFORMANCE INSPECTION

- 1 Ensure that the panel is within calibration date.
- 2 Place the panel over the sheeting to be evaluated.
- 3 Select a distance from the side of the railcar/locomotive that can be held for all reflective sheeting inspections (15 ft is preferred but not required).
- 4 Evaluate individual reflective sheets at a position straight out from the side of the railcar/locomotive.
- 5 Hold the light source adjacent to the eye to take full advantage of the reflective sheeting's property that reflects light back to the source.
- 6 Compare the reflected light intensity of the reflector to that of the comparison panel.
 - If the reflective sheeting's reflected light intensity appears brighter than the panel, the sheeting passes the inspection
 - If the reflected light intensity difference between the panel and the reflective sheeting cannot be discerned or if the panel appears brighter than the sheeting, the sheeting must be replaced.
- 7 Repeat steps 2 through 6 on the other side of the railcar/locomotive.



Replace

Replace

Pass



THE CONSPICUITY TAPE YOU CHOOSE MATTERS.

Railcars face demanding environmental conditions. It's why we've constructed our railroad conspicuity tape using metalized solid layer construction—no open air cells on the edges that are vulnerable to unsightly chipping—leading to dirt penetration and loss of reflectivity. Proprietary blends of pigments and UV stabilizers ensure years of trouble free reflective performance.

When the Federal Highway Administration established minimum levels of retrained reflectivity standards for highway signs—the precursor to the FRA standard—Avery Dennison was the first supplier of comparator panels in all the required sign colors to satisfy the demand for visual traffic sign inspections. Every Avery Dennison retroreflective product exceeds a variety of global standards, making safety an integral part of our corporate culture. You can trust the safety experts.

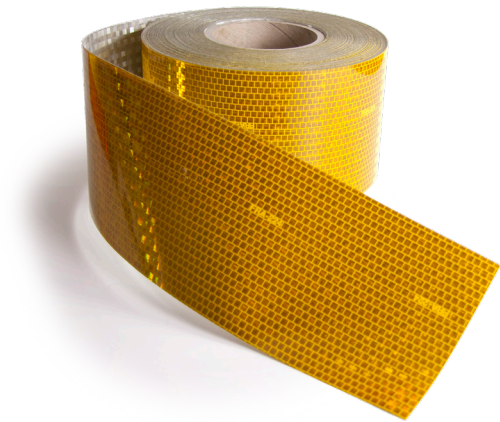
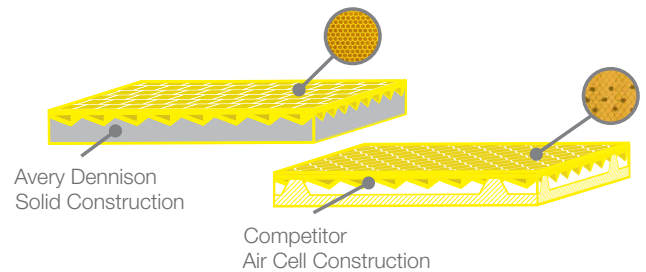


V9700RR Conspicuity Tape

Avery Dennison V9700RR Series Railcar Delineator Tape is designed for easy night-time recognition and increased safety at rail crossings. We've paid attention to every detail to ensure a superior product that's easy to apply and made to last.

SOLID CONSTRUCTION; SUPERIOR DURABILITY

- The solid construction of Avery Dennison tape ensures lasting reflectivity and tape integrity; does not require edge sealing
- Damaged air cells in the construction of other tapes can fill with dirt and water and lose reflectivity
- Certification marks are protected against abrasion ensuring continual compliance



reflectives.averydennison.com/aar-panel



Reflective
Solutions

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Avery Dennison Comparison Panel Kits are covered by one or more of the
following US Patents: US9091808, US8262238, US8205994, US8727545

S-92341