

Avery Dennison®

Application & Care for V-6790 and V-6700B

Instructional Bulletin # 8.12
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Introduction

Avery Dennison® V-6790 and V-6700B Conspicuity Tapes are designed for use on most trucks, trailers, and other vehicles with flexible PVC curtains. The Conspicuity Tape is provided in the form of die cut squares separated by small gaps to allow curtains to open and close easier. An integrated application tape allows the Conspicuity Tape to be applied as one continuous piece. The application tape is to be used solely for positioning and application and does not form part of the final marking.

Safety and Handling

The use of any chemicals for cleaning should be done with caution. Refer to the manufacturers Material Safety Data Sheet and follow all instructions and guidelines.

Tools

It is recommended to use only Avery approved tools for use in Conspicuity Tape application. Avery Squeegee Pro, utility knife, Avery Surface Cleaner, Isopropyl Alcohol (IPA), abrasive pad, clean towels.

Storage

Avery Dennison Conspicuity Tape can be stored for one year from date of purchase at a temperature between 18-24°C and a relative humidity between 45-55%. The Conspicuity Tape must be applied within this one year time frame. Rolls should be stored in their original packaging or suspended from a rod or pole through the core of the material.

Where to Apply

Please check for any changes to local, state or Federal regulations that are relevant to Conspicuity Tape markings. For large trucks and trailers, exemplary standards include ECE regulations 48 and 104. Section 6.21 of ECE Regulation No. 48 provides detailed instructions on where to apply the amount of Conspicuity Tape that is required. Appendix 9 of Regulation 104 provides exemplary illustrations of Conspicuity Tape on common vehicle and trailer types.

Application Temperature

Avery Dennison Conspicuity Tape should be applied between 0°C and 40°C to ensure adhesion. Both the air and vehicle surface temperature should be within this range during application. Watch out for condensation build up when bringing cold surfaces into a warm environment. It is recommended that applied Conspicuity Tape remain within this temperature range for at least 2 hours after application.

Surface Preparation

Note: All surfaces are considered contaminated and must be cleaned and then dried prior to application. Conspicuity Tape should be applied soon after cleaning in order to prevent dust accumulation on the application surface.

Note: There are a large variety of different tarpaulins in the market place, many of which were tested successfully by Avery Dennison. Nevertheless, it is required to test the application thoroughly prior to use. Application on tarpaulins that are used on the road for more than 6 months is not warranted.

1. Wash surface with Avery Surface Cleaner, ZA1206, to remove dirt and grease. Rinse thoroughly with water.
2. Re-wash surface with isopropyl alcohol (IPA). Saturate a clean towel in solvent and wipe entire application area. Immediately dry with a clean towel before the solvent dries. Repeat this process until no dirt transfers to the towel. Change towels frequently to prevent cross contamination.

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3. Make sure the entire application area is dry prior to application.
4. For used curtains, use an abrasive pad to roughen up the application area and then repeat the cleaning procedure.

Application Procedure

Note: Tape can be applied to tensioned curtains. A flat, hard surface, such as a board is required behind the curtain during application in order to ensure adequate pressure can be applied to ensure adequate adhesion. Do not over tension curtain during application.

Note: It is recommended to apply at least 15cm above buckles. Applying underneath buckles is not recommended. Also avoid applying over patches, seams, holes, and tears in the curtain.

1. Clean the application surface as indicated above.
2. Remove about 1m of liner and tack the Conspicuity Tape in place using light finger pressure. Make sure hands are clean and avoid touching the adhesive side.
3. Apply firm pressure using a squeegee to the tacked down section of Conspicuity Tape. It is important to make sure all areas of the Conspicuity Tape are pressed down without trapping air bubbles. A variety of acceptable techniques are common. One recommendation is to squeegee from the middle outwards using overlapping brush strokes. Use of an Avery Squeegee Pro, ZA1040, with felt layer is recommended in order to prevent scratches on the face of the Conspicuity Tape.
4. Wait at least 10 minutes after application, then remove the clear application tape at 180° angle and discard.
5. When positioning adjacent pieces of Conspicuity Tape, butt them next to one another. Do not overlap the pieces.
6. Allow tape to remain undisturbed and at the recommended application temperature of 15-40°C for at least 2 hours after application.
7. Edge sealing is not required since Avery Dennison Conspicuity Tape is a single layer construction.

Cleaning

Note: Regular cleaning is recommended to ensure maximum performance for vehicle identification day and night. If recently applied, allow at least 72 before cleaning.

1. Avery Dennison Conspicuity Tape can be cleaned by hand with a sponge, cloth or other non-abrasive media using a mild detergent and water.
2. Avery Dennison Conspicuity Tape can also be pressure washed according to the following parameters.
 - Maximum Pressure: 80bar.
 - Maximum wash temperature: 60°C
 - Water jet must be a minimum of 30cm from the Conspicuity Tape.
 - Spray water jets at an angle of 90° (+/- 45°) from the surface.
 - Cleaning solution should have a pH of 3-11. Follow dilution ratios per manufacturer recommendations.
 - Rinse thoroughly and do not allow cleaning solution to dwell longer than 60 seconds on or around the Conspicuity Tape.