

Avery Dennison®

Application of WR-6100 and WR-7100 Series Retroreflective Films

Instructional Bulletin #8.03
Revised: May 2011

Storage and Conditioning

Avery Dennison Reflective Sheeting should be used within one year of date of purchase. All guarantees and warranties, expressed or implied, shall become null and void in all respects on materials stored prior to application for periods in excess of one year.

It is recommended that Avery Dennison Reflective Sheeting be stored in a cool, dry environment; preferably at 65°-75°F (18.3°-29.7°C) and 45%-55% relative humidity. If materials are stored in areas separated from the application or converting area, it is advisable to allow the material to acclimate to the application or converting area prior to use.

Application

The HDPE and LDPE surface needs to be clean, dry and thoroughly flame treated prior to applying WR-6100 and WR-7100 Reboundable Sheatings. Care needs to be taken to apply enough heat to remove any surface residue but not so much heat that the drum surface is distorted. If the drum surface is not flame treated, outgassing can occur over time resulting in puckers or bubbles in the reflective sheeting from trapped air. If puckers or bubbles occur, they can be removed by puncturing the area with a pin and using squeegee or hand pressure to press the sheeting onto the drum surface.

The Drum surface needs to be 60°F (16°C) or warmer for maximum adhesion build. The WR-6100 and WR-7100 can be repositioned during the installation process but within 2-3 minutes it will become difficult to remove without distorting the sheeting. After 24 hours the adhesive builds to its ultimate permanent bond.

When applied by hand, WR-6100 and WR-7100 needs to have tension on the material maintained as the drum is rotated to minimize air entrapment. If using a hard nylon squeegee, the applicator must be careful not to scratch the sheeting surface. A soft rag can be put over the squeegee to prevent scuffing the surface of the sheeting.

When applying the WR-6100 and WR-7100 products, the 4 or 6 inch stripes need to be applied around the circumference of the drum and overlap on itself a minimum of 1 inch.

Storage of Drums after installation

Make sure to mark drums with the appropriate manufacturing information so the drums may be tracked at a later date.

Allow drums to set for 24 hours at 60°F or greater so that the adhesive can build to a permanent level before putting the drums into use as a reboundable workzone device.

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Cleaning Of Reboundable Drums

The cleaning solution in a pH range of 4 to 10 (within mild acid or mild alkaline limits) is recommended. Use a mild soap or a cleaning solution along with warm water and a soft cloth or sponge. A non-abrasive cleaning solution, free of strong solvents, can also be used. If it becomes necessary to remove heavy soil and grease, kerosene, mineral spirits, heptane, or V.M. & P naphtha may be used. Avoid all other solvents.

Test the cleaner on a small section or sample of the material before use. Do not use high pressure sprays.

Spray or wipe (with a soft cloth or sponge) the cleaning solution over the entire surface of the film to be cleaned (avoid abrading the film surface with unnecessary scrubbing); thoroughly agitate and mix the cleaning solution into the dirt on the film's surface; rinse the entire surface with clean water and let air dry.

The above Avery Dennison literature provides information to the user for proper application, storage, and other requirements. Please refer to Product Data Bulletins or your local Avery Dennison Representative for warranty information. Find the latest information on the Avery Dennison website, www.reflectives.averydennison.com. We encourage you to check our website periodically for updates.

All statements, technical information and recommendations about Avery Dennison products are based upon tests and information believed to be reliable but do not constitute a guarantee or warranty of any kind. All Avery Dennison products are sold with the understanding that Purchaser has independently determined the suitability of such products for its intended and other purposes.

