

3M

Scotchlite™

Protective Overlay Film

Series 1150

Product Bulletin 1150

August 1996

Replaces PB 1150 dated December 1994

Health and Safety Information

Read all health hazard, precautionary, and first aid statements found in the Material Safety Data Sheet, and/or product label of chemicals prior to handling or use.

Description

3M™ Scotchlite™ Protective Overlay Film Series 1150 is a durable, solvent resistant, transparent film coated with a transparent pressure-sensitive adhesive that is protected by a removable liner. It is designed as a protective transparent overlay for application to scotchlite reflective sheeting. When applied as a protective overlay on retroreflective signs, the signs will have similar day-night appearance. To facilitate application, the film is provided with premask. Film without application tape is available as 1150A.

Properties

A. Color and Transparency

Protective Overlay Film 1150 is a clear, colorless film. Used as an overlay, it will cause some reduction in retroreflectivity of the sign. Brightness reduction will vary with photometric test geometry and the combination of sheetings and films used. User should determine if this reduction in brightness is acceptable for the sign's intended use.

B. Film

As a protective overlay, the film is a barrier to staining by many types of graffiti including spray paint, permanent markers, lipstick, etc. Defacement due to vandals usually may be removed by selected solvent wiping.

C. Adhesive

The pressure sensitive adhesive is transparent.

Intended Use

A. Use Conditions

Overlay applications can be made on smooth, clean reflective sign surfaces when air and surface temperatures are above 60°F (16°C). New signs must be clean and the process colors completely dry and hard prior to applying the film. Transparent colors for 3M™ Scotchlite™ High Intensity Grade Sheeting need not be clearcoated prior to overlay film application. Used sign surfaces should be cleaned prior to application, with detergent and water, rinsed, and thoroughly dried.

B. Application

One of the following methods is recommended.

1. Mechanical squeeze roll applicator - See Information Folder 1.4.
2. Hand squeeze roll applicator - See Information Folder 1.6.
3. Hand application - See Information Folder 1.5.

Note: To remove premask, lift edge of tape with fingernail or knife. Pull tape from film by pulling it back over itself at a very sharp angle. Application of 1150A is best accomplished using a mechanical squeeze roll applicator. Use extra care when handling this film since it is NOT supported by premask. When threading the leading edge at start-up, application of a strip of tape (such as one inch vinyl tape) along the leading edge of the 1150A Film will minimize tearing during handling.

C. Packaging and Storage

Scotchlite protective overlay film should be stored in a cool, dry area, preferably at 65-75°F (18-24°C) and 30-50% relative humidity, and should be applied within one year after purchase. Finished signs or faces with protective film applied need not be slipsheeted since both the film and the premask protect the finish. See Information Folder 1.11 for details of packaging and storage.

Warning: If the finished signs may be exposed to moisture, such as in an open truck or stored for long time periods, **REMOVE PREMASK.**

D. Cleaning

When protective overlay film is used to protect reflective sheeting and is defaced, it may be cleaned as follows.

Materials: In some instances, washing with detergent and water is sufficient to remove surface contamination; however, for paints and coatings, it may be cleaned with cleaning systems recommended for this purpose.

Important: Before using any cleaning materials, read and carefully follow seller's label instructions for proper application and safety instructions. Also avoid the use of formulations containing strong polar solvents such as ketones (acetone, methyl ethyl ketone) or methylene chloride (dichloromethane) and other chlorinated solvents as these may harm the overlay film after repeated cleanings or prolonged solvent exposure.

Procedure: Apply a liberal quantity of cleaning solution to a soft cloth. Rub onto defaced surface with a scrubbing motion so as to wet the surface. Wipe area clean with a clean, soft cloth. Do not use abrasive brushes or scouring pads. Repeat procedures if necessary.

Always follow cleaning solution with a detergent water rinse.

Recommended Cleaning Systems

1. 3M "Natural Cleaner"
2. 3M "Safest" Stripper
3. A blend of isopropyl alcohol and xylene (50/50)

General Performance Considerations

When applied in accordance with 3M recommended procedures, 3M™ Scotchlite™ Protective Overlay Film Series 1150 will not decrease the effective performance life of the Scotchlite reflective sheeting to which it is applied.

FOR INFORMATION OR ASSISTANCE

CALL:

1-800-553-1380

IN CANADA CALL:

1-800-265-1840

3M assumes no responsibility for any injury, loss or damage arising out of the use of a product that is not of our manufacture. Where reference is made in literature to a commercially available product, made by another manufacturer, it shall be the user's responsibility to ascertain the precautionary measures for its use outlined by the manufacturer.

Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith.

Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.



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