Product Description

3M™ ElectroCut™ Film 1170C Clear (the "Film") is a clear, durable, transparent, UV-resistant, acrylic film coated with a transparent, pressure-sensitive adhesive protected by a removable liner.

The Film fulfills the clear overlaminate requirement of the 3M™ MCS™ Warranty for Traffic and 3M™ MCS™ Warranty. See the 3M Sign Warranty Bulletin and the 3M™ MCS™ Warranty for Traffic Warranty Matrix Selector for matched component requirements and warranty details.

The Film is compatible with the following 3M reflective sheetings:

- 3M™ Engineer Grade Prismatic Reflective Sheeting Series 3430
- 3M™ Advanced Flexible Engineer Grade Reflective Sheeting Series 7300
- 3M™ High Intensity Prismatic Reflective Sheeting Series 3930
- 3M™ Diamond Grade™ DG^3 Reflective Sheeting Series 4000
- 3M™ Diamond Grade™ DG^3 Prismatic Reflective Digital Sheeting Series 4000UDS
- 3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS

Specifications

If the Film is applied to one of the compatible 3M retroreflective sheetings listed above according to 3M's recommendations, the resulting construction will conform to the performance requirements of ASTM D4956.

System of Matched Components

See the 3M Sign Warranty Bulletin for a complete list of matched components approved by 3M for use with the Film covered in this bulletin for the creation of permanent signage.

Storage and Shelf Life

Store the Film in a cool, dry area at 65°F to 75°F (18°C to 24°C) and a relative humidity of 30-50%.

The Film must be applied to the substrate within two years of the date of manufacture.

Handling and Application Procedures

- Avoid flexing the Film excessively when handling it. Flexing the Film may cause it to release from the liner.
- The Film may be applied to sheeting either before or after the sheeting has been applied to the substrate. Follow all 3M lamination recommendations.
- Trim excess or overhanging Film after application using a clean, sharp utility knife held at a 30° angle relative to the substrate.
- Remove adhesive build-up using a soft cloth dampened with mineral spirits, isopropyl alcohol, or 3M™ Industrial Cleaner Citrus Base.

NOTE

3M does NOT recommend splicing the Film.

Durability

See 3M Information Folder 1.11. 3M strongly recommends conducting periodic sign inspections and regular sign replacements in order to help sign owners establish their own effective service life exceptions, beyond the warranty period.

3M Related Literature

Always confirm you have the most current version of the applicable product bulletin, information folder, or other product information from 3M's website at www.mmm.com/roadsafety.

- 3M Product Bulletin 3430 3M™ Engineer Grade Prismatic Reflective Sheeting Series 3430
- 3M Product Bulletin 3930 3M™ High Intensity Prismatic Reflective Sheeting Series 3930
- 3M Product Bulletin 3930UDS 3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS
- 3M Product Bulletin 4000 3M™ Diamond Grade™ DG^3 Reflective Sheeting Series 4000
- 3M Product Bulletin 4000UDS 3M™ Diamond Grade™ DG^3 Reflective Digital Sheeting Series 4000UDS
- 3M Product Bulletin 7300 3M™ Advanced Engineer Grade Reflective Sheeting Series 7300
- 3M Product Bulletin 8900UV 3M™ Piezo Inkjet Series 8900UV Ink
- 3M Information Folder 1.11 3M™ Reflective Sheeting Sign Maintenance Management
- 3M Sign Warranty Bulletin
- 3M™ MCS™ Warranty for Traffic Warranty Matrix Selector

ASTM Test Methods are available from ASTM International, West Conshohocken, PA.

Health and Safety

Chemicals

When handling any chemical products, read the manufacturers' container labels and the safety data sheets (SDS) for important health, safety, and environmental information.

Follow this link to obtain SDS sheets for 3M products.

Follow this link to obtain information about substances of very high concern (SVHC) for EU products.

Tools and Equipment Usage

When using any equipment, always follow the manufacturer's instructions for safe operation.

Warranty Information

Technical Information

Technical information, guidance, and other statements provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license to any intellectual property rights is granted or implied with respect to this technical information.

Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment, reviewing all applicable regulations and standards, and reviewing the product label and use instructions. Failure to properly evaluate, select, and use a 3M product in accordance with instructions or to meet all applicable safety regulations may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer

Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability

Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

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