

## Introduction

This technical bulletin provides guidance on cleaning 3M™ Premium Protective Overlay Film Series 1160i.2 (the “Film”). There are important differences in how this Film interacts with cleaners, compared to the previous generation of film. Read all of this bulletin before cleaning signs that utilize this Film.

## Cleaning

To remove normal dirt accumulation from Film, use a soft cloth with a mild detergent and water solution, followed by a thorough water rinse.

To remove more stubborn contamination, such as graffiti, use commercially available cleaning systems recommended for this purpose. Before using any cleaning tools or compounds, read and carefully follow all applicable product use and safety instructions. Test the cleaner on a small and inconspicuous area of the sign to determine the cleaner’s suitability and whether it will damage or affect the function of the sign.

Do **NOT** use cleaners containing strong polar solvents, such as ketones (acetone, methyl ethyl ketone), methylene chloride (dichloromethane), or other chlorinated solvents. Do NOT use paint strippers.

3M™ Industrial Cleaner Citrus Base can be used to effectively remove many common types of defacement, such as permanent marker, eggs, and stickers. Isopropyl alcohol (IPA), or a 50/50 blend of IPA and xylene, can effectively remove many paints. Commercially available cleaners can also be highly effective. Although the Film is resistant to strong solvents, prolonged exposure to solvents can result in permanent sign damage.

If necessary, 3M can help users interpret the ingredients in a selected commercially available cleaner.

Some cleaners may leave an oily residue, this residual residue can be removed with Citrus base, window cleaner or multipurpose cleaners.

3M recommends only using soft cleaning cloths and/or plastic scrapers to clean the film. We have found plastic razor blade scrapers to work well. Use smooth edge of the blade in a lateral motion, do **NOT** pick at graffiti with edge of blade.

Do **NOT** use abrasive brushes, scouring pads, or metal implements to scrape defacement materials from a sign. Abrasive methods are likely to cause permanent sign damage.

### NOTE

Failure to adhere to the above cleaning recommendations will result in the voiding of the sign’s 3M™ MCS™ Warranty.



### CAUTION

The use of sharp implements, abrasive devices, or certain types of strong or corrosive chemicals to either deface or clean a sign can result in permanent damage to the Film and the underlying sign, severely reducing the sign’s performance. The Film is **NOT** intended to protect signs from impact, cutting, gouging, strong chemicals, or removal of Film from signs. Use of a flame, other high-heat source, or other extreme abuse of the Film or signs is likely to severely and permanently reduce or destroy the sign’s effectiveness.

## 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

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