

## Using 3M™ Wrap Film Series 2080

### About the Films

#### What's new about 3M™ Wrap Film 2080?

3M™ Wrap Film Series 2080 ("2080") is a multi-layer cast adhesive backed film for full color vehicle wraps, accents, or partial decoration wraps.

- 2080 is a more conformable, easier to install film compared to 3M™ Wrap Film Series 1080 and 3M™ Wrap Film Series 1380 requiring less heat during installations
- 2080 gloss and high gloss film colors have a conformable clear protective film layer on their surface which:
  - Reduces surface impressions and increases scratch resistance during installation.
  - Can be easily and cleanly removed after installation.
  - Prevents scratches on the protective film layer from transferring to the film itself.
  - The protective film layer should be left on for the entire installation, but it **MUST** be removed before postheating.
  - If hazing occurs, a heat gun can be used to restore the film's original gloss level.
- Additional new features of 2080 high gloss color films include:
  - An optimized adhesive for exceptional installation experience, related to reduced initial tack and improved repositionability\*
  - Smooth high gloss finish after installation

\*Other 2080 colors will also have this new adhesive based on the manufacturing schedule. Contact 3M Product Support for more details.

#### What is the warranty on the new 3M™ Wrap Film Series 2080 high gloss colors?

The new 2080 high gloss colors have the same comprehensive 3M™ MCS™ Warranty as the rest of the 2080 films: up to eight years of protection on vertical applications.\*

\*Warranty varies by zone.

#### Does the vehicle's condition impact the look of 2080?

All wrap films, including 2080, should be applied to a "like new" vehicle finish for the best results. 3M's warranty only applies to vehicles that have an excellent bond between the paint and the vehicle substrate. Any rust, bubbling, scratches, dents, or other damage will be visible through the film, and such imperfections may damage the film or cause the film to fail prematurely. Areas repaired with body filler must be sanded, epoxy primed, and, for best results, finished with an original equipment manufacturer paint or clear coat. Any recently applied finish must be fully cured according to the paint manufacturer's directions before film is applied.

Any defect in the paint—including scratches, dents, bubbling, pitting, fisheyes, and orange peel—may be visible through any 2080 film. **This is especially a concern with the high gloss 2080 films, as the high gloss magnifies these defects.** 3M recommends that a professional paint correction is performed before the installation of any 2080 films when heavy orange peeling is present on a vehicle. Failure to do so will result in high gloss films taking on the orange peel appearance. Wrap shops should set proper expectations for their customers before installing any 2080 film, **especially when using high gloss 2080 films.**

#### How do I clean the vehicle properly before applying film?

Cleaning the application surface properly is one of the most important steps to a good application. Read [3M Instruction Bulletin 5.36](#) for complete details.

Working with 2080 high gloss films requires a clean installation environment. Keep the floors clean of dust and debris to lessen the chance of contaminants getting under the film. Lint-free clothing and hair covers may also be necessary. Film should be installed immediately after the installation surface has been cleaned.

#### Can I use an overlaminate?

Applying 3M™ Wrap Overlamine Series 8900 can alter the appearance of 2080 films' inherent texture. If graphic protection other than 3M™ Wrap Overlamine Series 8900 is used, then the wrap shop assumes all risk for testing, approving, suitability, and warranty.

#### IMPORTANT NOTE

All 2080 gloss and high gloss color films have a protective film layer on the surface. This protective film layer **MUST** be removed before applying an overlamine.

#### Quick Links

- [3M Graphics Warranties](#)
- [Technical Information Selector](#)
- [Safety Data Sheets \(SDS\)](#)
- [Videos](#)

Some of these links lead to web-based resources that are not product-specific.

# 3M™ Wrap Film Series 2080 Frequently Asked Questions

## Can I print on 2080 films?

3M™ Wrap Film Series 2080 is available in many colors, textures, and finishes, and is intended to be used without further processing. If the film is printed, with or without graphic protection, the wrap shop assumes all risk for testing, approving, suitability, and warranty.

### **i** IMPORTANT NOTE

All 2080 gloss and high gloss film colors have a protective film layer on the surface. This protective film layer **MUST** be removed before printing.

## Are there any safety concerns when using 2080 films?

A static electricity discharge can occur when removing the liner, creating sparks and igniting flammable vapors. Only use 3M™ Wrap Film Series 2080 in safe environments.

## Is the protective film layer on 2080 gloss and high gloss films recyclable?

The protective film layer is classified as recyclable plastic Number 4. Recycling programs vary from country to country and may not be available in your area. Ask your local solid waste authority about their plastic Number 4 recycling program.

## Can I use 3M™ Knifeless™ Tape with 2080 films?

Yes, 2080 films are compatible with 3M™ Knifeless™ Tape. See [3M Instruction Bulletin 4.19](#) for further information.

## Is the "striped" appearance on carbon fiber films normal?

Yes. All 2080 films have some texture integral to creating their unique looks. The carbon fiber films have the most texture, which appears to have more depth in certain lighting conditions, giving it a somewhat striped look.

## Do some 2080 films appear to change color if applied in different directions?

Yes. Certain film colors, such as Satin Pearl White and the Brushed Metal colors, have a directional characteristic to their appearance. Film colors can also vary slightly from lot-to-lot. For the most consistent color, use the same film lot number for an entire vehicle. 3M now offers Color Flip options that change color when viewed from different angles. See [3M.com/2080](#) and [3M Product Bulletin 2080](#) for details.

### **i** IMPORTANT NOTE

Textured, metallic, pearl, and color flip films may have a directional characteristic to their appearance. For the best overall appearance, do **NOT** alternate between lengthwise and widthwise graphic panels. Follow the directional arrows when installing 2080 films to achieve consistency and help prevent color shifts from panel to panel. (High gloss 2080 films currently do **NOT** have directional arrows on the liner.)

## How can I ship and store 2080 gloss and high gloss films?

All 2080 gloss and high gloss films have a protective film layer on the surface. Do **NOT** use masking tape on the protective film layer. Wrap the outer layer of 2080 gloss and high gloss films with paper and fix the paper in place with tape to prevent the tape from damaging the film. Clips can also be used to store 2080 gloss and high gloss films. See [3M Product Bulletin 2080](#) for further information.



**Figure 1.** Film Storage Options

# 3M™ Wrap Film Series 2080 Frequently Asked Questions

## Installation Overview

### Where can I get complete installation details?

[3M Instruction Bulletin 5.36](#) provides specific instructions for installing vehicle wraps. 3M also offers world-class training for professional growth, as well as opportunities to earn an installer endorsement from 3M and be listed on the 3M website.

### Does 3M™ Wrap Film Series 2080 install the same way as 3M™ Print Wrap Film IJ180mC?

Installation of 2080 films is very similar to that of 3M™ Print Wrap Film IJ180mC (“IJ180mC”) films. 2080 has the same features as IJ180mC—that is, slidable and repositionable adhesive with virtually invisible air release channels—but be aware of these important installation practices:

- Align the graphic using masking tape.
- Apply edge protection to the squeegee, such as PTFE tape or loop tape.
- Use a heat gun, never a torch.

### Is film primer required on complex curves?

3M™ Primer 94 can help any film adhere to deep channels and complex contours. Refer to [3M Instruction Bulletin 5.36](#) and [3M Instruction Bulletin 5.46](#) for recommendations.

### Can I wet-apply 2080?

No. 3M does not recommend or warrant using a wetting solution on the vehicle surface when applying any film with air release channels. However, the installer may use a wetting solution on top of the film layer to provide some slip resistance for the squeegee.

### Are there any special application considerations?

Yes, particularly for the Carbon Fiber and Metal finishes and for 3M™ Wrap Overlaminates Series 8900. Because of the unique patterns designed into these films for their realistic looking finish, improper application techniques show more readily on these finishes. Proper stretching and heating of the film is essential to avoid creating visual imperfections, which can appear as dents, bends, stretch marks, or kinks in the finish. See Figure 2.

To ensure a successful application:

- If stretching is required, stretch large sections of the film. Stretching the film in smaller sections may cause a series of stretch marks at every location where stretching occurred.
- Always use even tension when stretching the film. Avoid applying too much force in one particular area, as this may distort the film’s finish.
- Apply as little heat—using only a heat gun—as possible to stretch the film. The temperature at the surface of the film should not exceed 150°F (65°C).
- Avoid applying heat directly to where the film attaches to the substrate.



**Figure 2.** Damaged Film vs. Undamaged Film Post-Installation

# 3M™ Wrap Film Series 2080 Frequently Asked Questions

## 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.

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#### Commercial Solutions

3M Center, Building 223-3N-30  
St. Paul, MN 55144

1-800-328-3908  
3M.com/2080

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