



Science.
Applied to Life.™



Installation Guide | Tips & Tricks

3M™ Print Wrap Film IJ280 with 3M™ Gloss Wrap Overlamine 8428G

Preferred by installers globally.*

3M™ Print Wrap Film IJ280 & 3M™ Gloss Wrap Overlamine 8428G are a best-in-class vehicle wrap designed for converters and installers. Backed globally by the 3M™ MCS™ Warranty, this print wrap solution delivers exceptional performance, print quality and productivity, leading to faster installations with less rework.

This film and overlamine combination is up to 20% faster to install[^] and proven to lift 2× less.* These benefits are brought to life by several unique features:

- ▶ **Conforms with less heat***
- ▶ **New 3M™ Comply™ v4 Air Release for max air flow and smooth results**
- ▶ **New, proprietary adhesive with optimized initial tack, slide and repositionability**
- ▶ **Removes cleanly at end of life with heat**

Please see below for tips and tricks on how to use the most technologically advanced print wrap solution we've ever made.

Wrap Fast. Wrap Fearlessly.

Sincerely,
3M Application Engineers

[3M.com/IJ280](https://www.3m.com/IJ280)

Wrap fast.

What makes 3M™ Print Wrap Film IJ280 with 3M™ Gloss Wrap Overlamine 8428G up to 20% faster to install?^

Conforms with less heat.*

- ▶ This solution **conforms more at room temperature**, which means you can stretch and conform the graphic further with less heat.
- ▶ It also **conforms at a lower temperature** when you are using heat.
 - **Tip #1:** When using your heat gun, a little goes a long way. When you first try the film, experiment using less heat than you normally do. This is how you 'unlock' the true benefits of our solution and start to install faster.
 - **Tip #2:** The less you pick up your heat gun, the faster you can install. Fight the urge to overheat the film. Once you see the film relax, you'll know you've reached the optimal temperature to conform the film.
 - We recommend heating the film to about 120-130F.
- ▶ You can install around compound curves and deep recesses **without relief cuts**.

New 3M™ Comply™ v4 Air Release for max air flow and smooth results:

- ▶ This new 3M™ Comply™ v4 Air Release pattern eliminates channel collapse, maximizes air flow and finishes with a non-visible result.

New, proprietary adhesive with optimized initial tack, slide and repositionability

We traveled the world to learn what adhesive experience installers want and developed something that hits the 'sweet spot'.

- ▶ The tack of our new adhesive is low enough to easily slide or reposition the film. It won't tack on the surface until you want it to.
- ▶ It is also high enough that you can trust the film to stay down.
- ▶ Make a small mistake? Don't worry. This adhesive is installer friendly, allowing you to reposition the film and fix a mistake.
- ▶ The combination of our new adhesive with 3M™ Controltac™ Adhesive technology enables excellent slide, no matter which printer platform the graphic was produced on.

Reduced outgassing time.

- ▶ Because of the unique design of 3M™ Print Wrap Film IJ280, we are reducing our recommended minimum outgas time between printing and lamination from 24 to 8 hours.
- ▶ As an installer, this means you can expect the same adhesive experience printed & unprinted and you won't battle the 'solvent effect', even at a shorter outgas time.

Wrap fearlessly.

What makes 3M™ Print Wrap Film IJ280 with 3M™ Gloss Wrap Overlamine 8428G proven to lift 2x less?^

Lifting resistance.

- ▶ With proper installation methods, this print wrap solution is proven to stay down in deep recesses without lifting. If you can get it into the recess, you can trust it will stay there.
- ▶ **Tip #1:** You don't need to use any 'hacks', special tricks, or even relief cuts.
- ▶ **Tip #2:** Experiment with a small piece of film and wrap it around a bumper or into a deep channel and experience best-in-class lifting resistance.

Post heat.

- ▶ Post-heating is an important step to ensure a film will stay down when stretched.
- ▶ Use of a heat gun to post-heat the film is recommended in applications where the film was stretched.
- ▶ The recommended post-heat temperature is a minimum of 200°F (93°C) to ensure adequate adhesion, but do not exceed 225°F (107°C).
- ▶ Use an IR Temperature Gauge to ensure the film has been post-heated above the required temperature.

Removes cleanly at end of life with heat.

- ▶ When using heat, this film should remove easily. No adhesive should be left behind at the end of life.

^When compared to Avery Dennison® 1105EZRS/1460Z, Arlon SLX®/3210, & 3M™ IJ180Cv3/mC/8518 with experienced installers applying 3M™ IJ280/8428G for the first time.

*When compared to Avery Dennison® 1105EZRS/1460Z, Arlon SLX®/3210, & 3M™ IJ180Cv3/mC/8518.

3M

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