

Installation Tools

Quick Links

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

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

Cutting Tools

These tools can cut cleanly without risk of damaging substrates.

Picture	Tool	Description
	3M™ Finish Line Knifeless Tape	<ul style="list-style-type: none"> Cuts most vinyl wrap films. Patented design turns easily in any direction to follow contours and curves. For single or multiple vinyl layer applications. See 3M Product Bulletin Knifeless Tape for more details.
	3M™ Perf Line Knifeless Tape	<ul style="list-style-type: none"> Use to cut laminated perforated window films and create a uniform relief cut along rubber molding before applying edge-sealing tape. Can be used to bridge tight gaps and trimming. See 3M Product Bulletin Knifeless Tape for more details.
	3M™ Bridge Line Knifeless Tape	<ul style="list-style-type: none"> Used to achieve clean and uniform cuts in wide gaps between doors, fenders and rubber moldings. For single or multiple vinyl layer applications. See 3M Product Bulletin Knifeless Tape for more details.
	3M™ Design Line Knifeless Tape	<ul style="list-style-type: none"> Create striping, accents and designs instead of using a knife or plotter. Stretches slightly and turns easily in any direction. Tape can be broken with hands for faster application. For single layer vinyl applications. See 3M Product Bulletin Knifeless Tape for more details.

	<p>3M™ Tri Line Knifeless Tape</p>	<ul style="list-style-type: none"> • Create pinstripes, gaps and butt seams instead of using a knife or plotter. • Create different widths using 6mm, 9mm or a combination of both. • Stretches slightly and turns easily in any direction. • Tape can be broken with hands for faster application. • For single layer vinyl applications. • See 3M Product Bulletin Knifeless Tape for more details.
	<p>Scotch™ Paper Cutter</p>	<ul style="list-style-type: none"> • Easier than a cutting blade, this tool glides right through most films and liners. Use it as you prep films for installation, and cutting off liners when using a hinge application method.
	<p>Geek Wraps® Fine Adjustment Stainless Knife</p>	<ul style="list-style-type: none"> • Completely adjustable sliding blade stainless steel knife used for precise cutting

General Application Tools

These tools are the foundation of every good installer's tool kit.

Picture	Tool	Description
	3M™ Low Friction Sleeve SA-1 Squeegee	<ul style="list-style-type: none"> Has a long-lasting nylon reinforced edge that resists damage
	3M™ Plastic Applicator PA1-G Gold Squeegee	<ul style="list-style-type: none"> A softer tool that helps conform film over very lightly textured substrates such as FRP
	3M™ Plastic Applicator PA1-B Blue Squeegee	<ul style="list-style-type: none"> Use over an applicator to protect the film from scratches
	Geek Wraps® Glass Tape Edge Squeegee	<ul style="list-style-type: none"> Features 3M glass tape on one side that allows maximum pressure to move air out from under applied film and a soft edge on the other side
	Geek Wraps® Soft Edge Squeegee	<ul style="list-style-type: none"> Has a micro-fiber edge that does not heat up or stick and absorbs water from the edges of film
	Geek Wraps® Hybrid Air-Wrangler™ Squeegee	<ul style="list-style-type: none"> Can be used wet or dry
	Geek Wraps® Soft Edge Marine Squeegee	<ul style="list-style-type: none"> Use for wet applications. Has a micro-fiber edge that does not heat up or stick and absorbs water from the edges of film
	Geek Wraps® Marine Glass Tape Edge Squeegee	<ul style="list-style-type: none"> Features 3M glass tape on one side that allows maximum pressure to move air out from under applied film and a soft edge on the other side that is used for wet applications
	Geek Wraps® Freestyle Curve Squeegee	<ul style="list-style-type: none"> Use on complex areas of vehicle wraps. Can be used wet or dry (with light pressure).

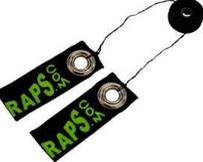
Film Installation Tools

 <p>new ©2018 ORIGINAL Branded & Stitched™ 3M APPROVED INSTALLATION TOOL</p>	<p>Geek Wraps® Freestyle Curve Silver Streak Squeegee</p>	<ul style="list-style-type: none"> • Use on complex areas of vehicle wraps. Has a flexible, soft edge that is capable of applying film in areas that would usually require a roller
 <p>3M APPROVED INSTALLATION TOOL</p>	<p>Geek Wraps® Hybrid Free-style Curve Squeegee</p>	<ul style="list-style-type: none"> • Use on complex areas of vehicle wraps. Can be used wet or dry
	<p>Geek Wraps® Hard Edge Teflon Squeegee</p>	<ul style="list-style-type: none"> • Has smooth, hard edges. Use in grooves and on edges as well as with cut vinyl applied with application tape
	<p>Geek Wraps® Teflon Glass Tape Edge Squeegee</p>	<ul style="list-style-type: none"> • Has smooth, hard edges and features 3M glass tape on one side. Use in grooves and on edges as well as with cut vinyl applied with application tape
 <p>©2018 ORIGINAL Branded & Stitched™ 3M APPROVED INSTALLATION TOOL</p>	<p>Geek Wraps® Silver Streak Squeegee</p>	<ul style="list-style-type: none"> • Has a flexible, soft edge that is capable of applying film in areas that would usually require a roller
 <p>new ©2018 ORIGINAL Branded & Stitched™ patent pending 3M APPROVED INSTALLATION TOOL</p>	<p>Geek Wraps® Mighty Micro Squeegee</p>	<ul style="list-style-type: none"> • A four in one multi-functional micro detail squeegee/perforation cutter
	<p>3M™ Air Release Tool</p>	<ul style="list-style-type: none"> • Use to prick trapped air bubbles

Film Installation Tools

	<p>3M™ Rivet Brush Applicator RBA-1</p>	<ul style="list-style-type: none"> • Use to work film around rivets
<p>3M™ Rivet Brush Applicator RBA-3</p>		
	<p>3M™ Power Grip Multi-Pin Air Release Tool MPP-1</p>	<ul style="list-style-type: none"> • Use to prick film all the way around a rivet with one motion
	<p>Geek Wraps® Power Slam Magnets</p>	<ul style="list-style-type: none"> • Use to hold film to vehicle during graphic installation without scratching or damaging the graphic or the vehicle
	<p>Geek Wraps® Tool Handy™ Wrist Band</p>	<ul style="list-style-type: none"> • Use to hold up to six tools during graphic installation. Includes magnet to hold tools to vehicle
	<p>Geek Wraps® EZ Wrap Pouch</p>	<ul style="list-style-type: none"> • Use to hold tools and can wear on a belt or attach to a vehicle with sewn-in magnets
 <p>3M APPROVED INSTALLATION TOOL</p>	<p>Geek Wraps® Power Slam Tape</p>	<ul style="list-style-type: none"> • Use to measure a car. Has magnets on each end

Film Installation Tools

 <p>3M APPROVED INSTALLATION TOOL</p>	<p>Geek Wraps® Heat Gun Grip</p>	<ul style="list-style-type: none"> • Adheres around a heat gun body
	<p>Geek Wraps® Wrap Juice</p>	<ul style="list-style-type: none"> • Helps to eliminate abrasiveness and allows your squeegee to glide easily over warmed wrap film. Use with 3M cast-vinyl film that has Comply™ Adhesive
 <p>3M APPROVED INSTALLATION TOOLS</p>	<p>Geek Wraps® Wrap Wand</p>	<ul style="list-style-type: none"> • Used to lay vinyl into tight crevices as well as scoring before razor-cutting body seams. Contains a built-in magnet
	<p>Geek Wraps® Emblem Removal Tool</p>	<ul style="list-style-type: none"> • Use for removing emblems without destroying the emblem or damaging the paint

Vehicle Surface Applicators

Designed by professional installers for professional installers, these tools help conform moderately heated film into channels commonly found on vehicle bodies.

Picture	Tool	Description
	3M™ Vehicle Channel Applicator Tool VCAT-2	<ul style="list-style-type: none"> Use these tools to help conform moderately heated film into channels commonly found on vehicle bodies.
	3M™ Vehicle Channel Applicator Tool Roller L (Large)	
	3M™ Vehicle Channel Applicator Tool Roller S (Small)	
 <p>PATENT PENDING</p> <p>3M APPROVED INSTALLATION TOOL</p>	Geek Wraps® Air Wrangler Torch Roller	<ul style="list-style-type: none"> Use to apply film to rivets and textured surfaces

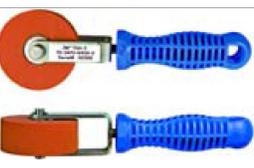
Applicators for Films with 3M™ Comply™ Adhesive

Make quick work out of applying large pieces of 3M™ Graphic Films with Comply™ Adhesive to flat or flat with rivets surfaces.

Picture	Tool	Description
	3M™ Power Grip Applicator GPA-1	<ul style="list-style-type: none"> Both the CPA-1 and CPA-2 tools are designed for use only with 3M™ Graphic Films with Comply™ Adhesive. Their wide width and ergonomic design allows you to effectively push air through the air release channels of films with Comply adhesive when used on flat surfaces. Additionally, CPA-1 can be used on flat surfaces with rivets.
	3M™ Power Grip Rapid Roller GPA-2	

Textured Surface Applicators

Designed exclusively for use with films that withstand high heat when being applied to moderately textured wall surfaces such as concrete block, brick, industrial stucco and tile. This includes 3M™ Envision™ Print Wrap Film LX480Cv3/SV480Cv3 and 3M™ Scotchcal™ Graphic Film for Textured Surfaces 8624.

Picture	Tool	Description
	3M™ Textured Surface Applicator TSA-1 Large Area Roller	<ul style="list-style-type: none"> Use for conforming large areas of film onto a textured surface.
	3M™ Textured Surface Applicator TSA-2 Mortar Joint Roller	<ul style="list-style-type: none"> Use to conform heated film to mortar joints and inside corners.
	3M™ Textured Surface Applicator TSA-3, Edge Roller	<ul style="list-style-type: none"> Use to conform heated film around cut edges and into corners. This tool is particularly helpful for mosaic-type applications.
	3M™ Two-Handled Textured Surface Applicator TSA-4 Large Area Roller	<ul style="list-style-type: none"> Attach a heat gun to applicator TSA-4 and use the tool to conform large areas of film to a textured surface.
	3M™ Power Grip Magic Pad Applicator CMP-1	<ul style="list-style-type: none"> Use to conform heated film around protrusions and edges, tight areas, etc.

NOTE: Some tools and processes in this Bulletin are described and claimed in 3M Patents and pending Patent applications.

Health and Safety

WARNING

Any activity performed for a long period of time in an awkward position or with a high amount of force is potentially a risk for causing musculoskeletal strain, pain, or injury. When applying graphics, follow these practices to improve comfort and avoid injury:

- Alternate your tasks during the application.
- Schedule regular breaks.
- Perform stretches or do exercises to improve circulation.
- Avoid awkward reaching.

WARNING

Read, understand and follow the safety instructions contained in both this 3M Bulletin as well as the heat-gun manufacturer's manual.

- Wear a heat-resistant glove on the hand(s) holding the applicator.
- Do not use heat sources near solvent mixtures or residues, or in areas where solvent vapors may be present at hazardous levels.
- Never use an open-flame heat source in this process.

CAUTION

Always provide adequate ventilation to remove emissions that may result when using heat. Failure to provide adequate ventilation can result in operator exposure.

High heat directed at foam rollers may degrade the foam. Always direct the heat toward the film, not the foam roller.

High heat may also damage the substrate: use with caution.

State Volatile Organic Compound (VOC) regulations may prohibit the use of certain chemicals with VOC's in graphic arts coatings and printing operations. For example, the California South Coast Air Quality Management District prohibits use of certain solvent-based solutions without a permit and other California AQMD's prohibit use of certain solutions without a permit or regulatory exemption. Check with your State environmental authorities to determine whether use of this solution may be restricted or prohibited.

General Usage Guidelines

Test Each Different Surface

The right film, tools, and installation techniques are essential to successful application. This Bulletin shows you the wide variety of tools that are available to assist you, but please read the appropriate 3M Product and Instruction Bulletins for all of the 3M materials you are using.

- A [3M Adhesion Test Kit](#) is available to help you determine which 3M films are most suitable for your interior walls.
- [On textured surfaces](#), the film and adhesive must conform to irregular high and low spots, which often includes mortar joints. These films are designed to be effective on many of the most common moderate textures found in public stadiums, arena and similar environments. However, due to the wide variation in substrate texture, you should verify that the film and 3M techniques described in this Bulletin are suitable for each of your applications.

Use Good Physical Form

For maximum comfort and effective use of the tools, always:

- Grip the tool as shown in the related instructions.
- Hold the applicator as though it is an extension of your arm to reduce stress on your wrist, and keep your wrist straight when possible.
- Use full arm movements.
- Use stable, appropriate ladders or lifts to avoid over reaching.

Heat Gun

- For 3M's films for textured surfaces: Use with a high temperature, electronically-controlled heat gun capable of reaching at least 1000 °F (538 °C), and use only the 3M films recommended for textured walls.
- For 3M's films for vehicle graphics: Use with a high temperature, electronically-controlled heat gun capable of reaching at least 500 °F (260 °C), and use only the 3M films recommended for vehicle graphics.

Commercial Solutions

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Revision B, February 2018 Please recycle.

