



ARLON

INSTALLATION GUIDE

Ever Etched Cal & Ever Etched Cast



EVER ETCHED CAL & EVER ETCHED CAST

ARLON INSTALLATION GUIDE

Products: Ever Etched Cal, Ever Etched Cast

Tools Needed

APPLICATION TOOLS	USES
Squeegee with Felt Tip	For applying media without damaging the graphic
Felt Squeegee Block	
GENERAL TOOLS	USES
Masking Tape	Positioning the graphic
9mm Snap-off blades	Trimming excess material
Microfiber Towels	For cleaning the substrate and glass
Wrap Knife	To cut the release liner
IR Thermometer	Checking surface temperature
Measuring Tape	Positioning and alignment
Rigid Scraper	To scrape off 3D contaminants
Level/Laser Level	Alignment of graphic



ARLON

EVER ETCHED CAL & EVER ETCHED CAST

INSTALLATION GUIDE

PREPARATION

RECOMMENDED PRACTICES	PURPOSE
<p>1. Dust off the glass Remove any loose debris or dust using a lint-free cloth.</p>	This removes any loose contaminants on the surface which would appear under the graphic.
<p>2. Use a scraper over the entire surface of the glass</p>	To remove any particles stuck to the glass and to help smooth out the surface prior to install.
<p>3. Final cleaning with IPA and a lint-free cloth</p>	Using IPA as the final cleaning step will help evaporate any residue on the surface of the substrate leaving it as clean as possible before installation.
<p>4. Allow prints to outgas for at least 24hrs (all print systems) If kept in rolls, it is recommended to loosely unwind the rolls during the outgassing period.</p>	This allows the solvents in the ink to fully cure and to prevent any possible issues with application tape adhesion to the surface of the print.
<p>5. Print with edge bleed Enable edge bleed during graphic design.</p>	This will extend the graphic print at the edges to ensure that the print covers the edges.
<p>6. Use a flashlight to assist weeding Lay a flashlight on the surface of the media and shine it across the design to help reveal the cut lines.</p> <p>Without Flashlight</p> 	<p>This method is especially effective when weeding the unprinted Ever Etched Cast.</p> <p>With Flashlight</p> 
<p>7. Use "high tack" tape or transfer tape designed for etched glass for jobs that require it For cut/weed designs and/or solvent printed graphics, use the recommended transfer tape for an easier install.</p>	Due to the matte surface of etched glass vinyl media, medium tack application may not adhere well and would not transfer the graphic off of the liner.

PRACTICES TO AVOID	PURPOSE
<p>AVOID using only window cleaners that contain ammonia or silicone as your cleaning solution</p>	Ammonia-based window cleaners tend to leave a residue on the surface which can cause adhesion problems. To prevent this, wipe the surface with IPA after using an ammonia-based cleaner.



EVER ETCHED CAL & EVER ETCHED CAST

ARLON INSTALLATION GUIDE

INSTALLATION

RECOMMENDED PRACTICES	PURPOSE
<p>1. Use a hard squeegee with a lubricated protected edge Equip your squeegee with a felt sleeve or buffer edge to protect the graphic. While installing, consistently lubricate the squeegee edge with water.</p>	<p>Installation of this product requires firm pressure. A lubricated protected edge hard squeegee will prevent damage (e.g. scratches) to the surface of the graphic during install.</p>
<p>2. Anchoring</p> <p>Top Hinge Position and align the graphic. Use masking tape to secure the top of the graphic to the glass. Lift the vinyl from the glass and using the wrap knife, cut liner to expose 1"-2" (2.5cm - 5cm) of the adhesive across the width. Squeegee down the exposed adhesive to tack down the film. Expose the area above tacked down area and apply. Use one hand to keep the graphic taut and with the other apply the graphic to the glass. Repeat removing the liner and applying down the glass.</p>	<p>Top Hinge works best for graphics that are much taller than wide.</p> 
<p>Center Hinge Use masking tape to position the graphic onto the substrate and apply a piece of tape down the vertical center of the graphic, ensure to keep the graphic smooth and taut throughout. Lift the vinyl and using the wrap knife, cut the liner to expose a 1"-2" (2.5cm - 5cm) width down the vertical of the liner. Tack down the exposed adhesive. Starting on one side, remove the liner from the graphic. Hold the graphic tight with one hand and apply with the other hand moving outwards from the center of the graphic.</p>	<p>Center Hinge works best for panels that are much wider than tall.</p> 
<p>3. Repositioning If repositioning is needed, perform as soon as possible, and peel off the film slow and steady.</p>	<p>Repositioning as soon as possible prevents the film from adhering to the surface and makes it easier to adjust the vinyl.</p>



EVER ETCHED CAL & EVER ETCHED CAST

INSTALLATION GUIDE

PRACTICES TO AVOID	PURPOSE
DO NOT wet apply or use application fluid to install	Due to the air channels in the adhesive, application fluid will be trapped in the channels leaving an undesired appearance after application that will not disappear over time.
DO NOT use overlapping seams to panel graphics	Since etched glass is translucent, overlapping the vinyl will cause a noticeable opaque appearance on the overlapping areas.
AVOID installing with a hard edge squeegee without a protected edge	Hard edge squeegees can cause undesired scratches and damage to the surface of the media or printed graphic.
AVOID stretching the graphic Properly align the graphic before applying as to avoid the need to stretch the graphic to fit alignment.	This is to prevent placing any tension on the graphic which could potentially cause the graphic to pop back or lift due stretching during installation.
AVOID installing on very hot windows Counter this by misting the surface with water to bring the temperature down.	Very hot windows will cause the tack of the adhesive to increase and can create a challenging installation.

FINISHING/POST-INSTALLATION

RECOMMENDED PRACTICES	PURPOSE
1. Seal edges with an edge sealer for exterior applications	This helps prevents rain or dust from seeping behind the graphic and onto the adhesive which may cause premature failure.

MAINTENANCE

RECOMMENDED PRACTICES	PURPOSE
1. Regularly Wash and Dust Use cleaning solutions to remove residues and disinfect the vinyl. Spray the cleaning solution into a lint-free cloth and not directly onto the vinyl. After cleaning with cleaning solution, use a wet rag with only water to wipe down the graphic to remove any potential cleaning solution residue.	To keep the vinyl looking its best for the life of the wrap. Recommended solutions: Soapy water, diluted bleach, window cleaner.



EVER ETCHED CAL & EVER ETCHED CAST

INSTALLATION GUIDE

REMOVAL

RECOMMENDED PRACTICES	PURPOSE
<p>1. Cut and remove in 6" (15cm) width sections at a time</p>	Smaller sections require less force to peel and put less stress on the glass surface.
<p>2. Starting from the top of the graphics, pull within 12 (30 cm) from the surface at a 70-90° degree angle for the easiest removal</p>	This angle is best practice to make removal quicker and easier.

PRACTICES TO AVOID	PURPOSE
<p>DO NOT snap up vinyl Remove the vinyl steadily at a controlled speed.</p>	Removing vinyl quickly may cause vinyl breakage or potential damage to the glass surface.
<p>AVOID using a heat gun or torch to remove vinyl</p>	Using heat to assist removal of vinyl is not required and may increase the risk of glass breakage.

Wet Out Time Period

Due to the air-egress channels in the adhesive and pressure from the squeegee strokes, dry apply films may take up to 24 hours for adhesive to completely "wet-out" and showcase the full etched glass effect. Refer to the table below to observe the wet out appearance over time.

Instant



4hr



8hr



24hr

