



How to Measure Your Light

Prior to purchasing Rtint films you will need to determine the amount needed for your specific application. In order to measure your application area you will need the following supplies:

- A length of string and a measuring tape or tailor's tape (this is a measuring tape made from cloth you can purchase at a hobby store)
- A marker or Stabilo pencil to mark the string.
- Masking or low-tac tape to hold the string or tailor's tape in place.

In order to measure the surface area of the light you will need to identify the maximum width and height of the light. Tape or hold the end of the string or tape at the farthest end of the light and unroll the string or tape until you reach the opposite end of the light. You may actually end up measuring both the width and depth of the light but, because you are going to be using a two-dimensional wrap kit you can treat the surface as if it were a single plane.

If you are using a piece of string or cord to make the measurement mark it with your marker or pencil and lay it out flat on the ground so it may be measure using your measuring tape.

Using the same technique employed to measure the width, proceed to measure the height of the light. When you have measure both the width and height you will need to add an additional 2 inches to each dimension in order to provide a surface that can be handled without damaging the film that will be applied to the light. It is extremely important that this step not be skipped because body oils and over-handling are two of the major culprits which lead to delamination, bubbling and improper installation.

Quick Tips: Headlight Tinting

When smoking out your headlights you should always be sure to keep safety as your first priority. Rvinyl recommends the



use of smoked film on headlights only on vehicles to be used for show purposes—Rvinyl does not recommend smoking head lights on vehicles that will be used on public roads

Quick Tips: Taillight Tinting

When tinting taillights, the same considerations made for headlight smoking apply. Tail lights can vary widely so it is important to accurately measure the application area.

Quick Tips:

- Ideal application temperature range is between 70° to 80° F (21° to 27° C). When possible, turn on lights to aid in increasing the surface temperature.
- Surfaces must be clean and dry prior to application
- When removing kit pieces from backing it is best to continuously spray both sides of the tint with an application fluid such as Rapid Tac or a 10:1 water to mild soap solution to prevent premature adhesion of the kit to itself.
- Clean your lights thoroughly with a solution such as Rapid Clear. Use masking tape to test for adhesion. If masking tape curls up and falls off you need to continue cleaning.

Rvinyl.com Preparation Guidelines:

- Ideal application temperature range is 70° to 80° F (21° to 27° C).
- Do not apply during periods of high relative humidity (i.e., when it's raining).
- Surfaces must be clean and dry prior to application.
- Do not bend kit pieces back and forth as this causes the adhesive to wrinkle when applying.

Smoked Tint Wrap Installation Guideline Step 1: Clean the Light Housing and Lens

- For proper adhesion, clean all surfaces using a 2:1 mixture of water to Isopropyl alcohol, Rapid Prep.



Note: Prior to cleaning test solution in an inconspicuous area.

- Use a clean, lint-free cloth to cleanse the application area. Insure the lens is dry and all oils and residues have been removed prior to application.
- A good test is to see if masking tape will stick to the application surface, if it sticks then the surface is ready for application. If it does not stick then further cleaning may be necessary.

Smoked Tint Wrap Installation Guideline Step 2: Application Solution

Rtint film can be applied dry onto smaller lights, although we greatly recommend a wet application method.

- Spray a liberal amount of the Rapid Tac of 10:1 water to mild soap solution onto the light which will allow you to reposition the film during the application process.
- Liberally spray the application fluid on outside of the film, this will allow you to remove the tint without it sticking to itself
- Remove the tint from the liner, spray with application fluid. This will allow you to reposition the film on the light.

Smoked Tint Wrap Installation Guideline Step 3: Align

- Having sprayed the light with application fluid, you may apply the wet adhesive side of the film to the lens.
- Reposition the film to align it to the edges. You may use the application tabs if they are available on your kit. Not all kits are designed with these tabs.

Note: The film may appear to be "short" or "too large" at this stage of the installation. This is because the film has not been heated and stretched yet or trimmed.

Smoked Tint Wrap Installation Step 4: Application

Spray the outside of the film with Rapid Tac of the soap and water solution again. This will reduce



scratching. Spray the light once again to allow repositioning.

Flat Light Tips & Tricks:

For flatter lights apply pressure to one end of the film so that it begins to adhere to one end of the light. Using a squeegee, press down and squeegee the film with smooth sweeping motions. If this is being done properly, you will see the water exit from underneath the film. Do this across the remainder of the light.

Note: If the film appears to be "short" or too small move onto the Curved Light Application Section.

If large bubbles are present, peel up the film to that area and apply again. Rtint tint film is very forgiving when both the light and the adhesive side of the film is wet. Keeping the film wet allows you to pull and reapply numerous times if not satisfied with results prior to heating the film.

Smoked Tint Wrap Installation Guideline Step 5: Large Curved Light Application

For Large Curved Lights (the most common lights on the market today) spray the outside of the film with solution again. This will reduce scratching. Spray the light once again.

- Apply pressure to the center of the film on the light with a squeegee so that it begins to adhere to one end of the light. It may be easier to have a partner help you by holding the film as you begin the next step.
- Gently begin to heat the film on one end from the center with a hair dryer or heat gun on a low setting. Take your time in heating the film, you do not want to melt the film.
- Apply the remainder of the film by moving in a spiral or circular motion working outwards towards the edge of the light. Keep the film "warm" by continually heating it will allow it to stretch up to 25% and conform. This is the only way you can apply tint to a curved light unless the kit has slits which are intended to be overlapped and cut-away.

For smoke tint kits with slits spray the outside of the film with solution again. This will reduce scratching. Spray the light once again.

Proceed as above being sure to liberally apply the solution to both sides of the film. When the film is



stretched into position one of the sections or flaps of the film will naturally fall over the other. Lightly smooth the flap down until flat. Using a razor gently score away the overlapping film until you can easily pull the excess film away.

Smoked Tint Wrap Installation Guideline Step 4: Trimming

If present, remove the handling tabs using a cutting instrument. Remove any excess vinyl which may hang over the edges due to the heated application method.

Smoked Tint Wrap Installation Guideline Step 5: Drying

Allow film dry for a minimum of 30 minutes and carefully wipe off any excess solution. If all moisture has not been properly removed from under the film some fogginess may occur. This is completely normal. Film is breathable and porous – cloudiness/fog will evaporate with a few days to a few weeks depending on film thickness and sunlight/heat exposure. Any surface texture, scratches, or ripples will also disappear during this curing process.

Note: Adhesion may be difficult in cold weather, humid areas or if the surface has not been properly cleaned prior to application.