

## Concord Window Film

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**Step #1** The job at hand. We will apply film to these sliding glass doors.



During this demonstration, we will be applying our Residential Neutral 35% film to these sliding glass doors. We will be installing the film on the right door first, and using the left door as our "set-up panel". Follow along as we go thru the process step by step. When ready, click on [Next Step](#) above

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### Step #2 The tools for this application



We will be using these tools. Numbers in [parenthesis] are our part numbers:

- Paper towels
- Spray bottle
- 9" Smoothie Squeegee [GT-120]
- Olfa "A" Knife [GT-127]
- Baby Shampoo
- 6" razor scraper [GT-107]
- Tape measure
- Scotch tape

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**Step #2** Prepare the "installation solution".



Add a few drops of baby shampoo to the water in the spray bottle. The approximate mixture would be one teaspoon to a quart of water - but you do not have to be exact.

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### Step #3 Measuring the width



Using the tape measure, we see that our window is 27" wide.

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### Step #4 Measuring the height



Our height is 67 inches

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### Step #5 Pull out the length needed



Our roll of film is just over 30 inches wide. We will be pulling out 72 inches of film, to cover the 67 inch height. We will trim away the extra film later, after it is installed onto the glass.

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**Step #6 Tip:** Slit off the extra width.



Here is a great tip. Our window pane is 27 inches wide and our film is more than 30 inches wide. This is not too much extra film width, but if we did have too much extra width, we could place the knife blade into the box as pictured. When we pull out the film, we slit away the extra amount. If you have more than a few extra inches of width on each side, you may want to use this technique to slit off the extra film.

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**Step #7** Slit the film off the roll.



Once you have measured out the film you need, roll it up and slit it off of the roll.

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### Step #8 Setup on left panel



Wet the glass and place the film on the left hand panel. The left hand panel will be our "set-up" panel and we will actually install the film on the right window. There is a removable liner on the film. When we put the film on the set-up panel, we put the film against the glass and the removable liner facing inside. In the next step, we will see how to tell which side the liner is on by separating it from the film.

**Note:** If you are working on your last window of the job (and all other windows have film on them) it is OK to use a filmed window as a setup panel. Also - Static Cling Films have no liner, so it does not matter which side you place against the window.

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How to separate the liner from the film.



The removable clear liner on the film protects the adhesive. It must be removed prior to application. The easiest way to separate the film from the liner is with two pieces of scotch tape, as pictured. Place the film against the set-up paned, with the adhesive/liner side facing you. Then use the tape to start the separation in the top corner of the film.

**Note:** Static cling films have no liner and no adhesive, so this step is not necessary if installing static cling film.

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### Step #9 Cleaning the glass



Our next step will be to prepare the right window. We start by spraying the window with the baby shampoo and water mixture. We then scrape the glass clean using our scraper. The six inch scraper shown here will save time, but you can also scrape the glass clean with a one inch straight edge razor blade.

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**Step #10** Squeegee the glass dry.



After the glass has been scraped with the razor, the next step will be to squeegee it dry with the smoothie squeegee. Use overlapping strokes and squeegee the entire window dry.

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Wipe smoothie between strokes



We need to make sure that the smoothie squeegee blade does not accumulate any dirt or grit. Whatever we leave on the window will be sealed under the film and we will not be able to remove it without starting over. Wipe the smoothie blade clean between strokes, to make sure it stays clean.

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**Step #11** The last step in cleaning the glass is wiping the edges.



Special attention should be paid to the edges of the glass. These should be wiped dry with a lint free cloth or paper towel. Wipe the edges very thoroughly. Most of the dirt and contamination that makes its way under window film comes from the edges of the glass. Try to get them as clean as possible.

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Prepare to remove the liner.



If you have not already done so, start to peel away the liner in the top corner of the film. Our next step will be to remove the liner completely and get ready to apply it to the right side window.

**Note:** Static cling films have no liner and no adhesive, so this step is not necessary if installing static cling film.

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### Step #12 Remove the liner



With your left hand, hold the film against the top corner while you slowly and carefully peel away the liner from the film. The glass should be wet behind the film, so that the film stays on it as you are removing the liner.

**Note:** Static cling films have no liner and no adhesive, so this step is not necessary if installing static cling film.

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Continue to pull the liner off



Hold each corner of the liner in both hands and pull it down and away.

**Note:** Static cling films have no liner and no adhesive, so this step is not necessary if installing static cling film.

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Continue to remove the liner - bottom



Pull the liner all the way down and then completely remove it from the film.

**Note:** Static cling films have no liner and no adhesive, so this step is not necessary if installing static cling film.

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**Step #14** Spray the film adhesive with the soap and water mixture



The adhesive is sticky, so you must spray the entire piece of film with the soap and water mixture to prevent it from sticking to the glass or to itself. Once the film is in place, we will remove the soapy water with the squeegee.

**Note:** Static cling films have no liner and no adhesive. When you spray, you are simply spraying the static film.

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Spray the entire piece of film.



Be careful not to leave any dry spots.

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**Step #15:** Spray the window to be tinted (the right hand window)



In addition to wetting the film, we need to spray the glass we will be applying the film on. We the window thoroughly, but do not spray any water directly on any of the outer edges. We do not want to flush out any dirt or grit which may still be embedded in the edges. Because the film is also wet, it should not stick around the edges anyway.

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**Step #16** Transfer the film.



Once the film and the window is wet, we are ready to transfer the film over. Start in the corner and carefully pull the film away from the "set-up" window.

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Bring the film over.



The adhesive side of the film is facing away from you now as you transfer the piece of film from the set up window to the window you are tinting.

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**Step #17** Apply the film to the right window.



Place the adhesive side of the film against the glass. The film and the glass are both wet, so you should be able to position the film as shown here, with a slight overlap on the top and the left side. Once the film is on the window, slide it into position so that the entire glass is covered and the frame is overlapped slightly on all sides and edges.

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Check the position



Before we start to squeegee, make sure the film is in position and the the entire glass is covered. Once we start to squeegee the film, we will no longer be able to slide it around. The film should overlap on each side, top and bottom. As long as the entire window is covered with film, you can go on to the next step.

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### Step #18 Squeegee the film



The purpose of squeegeeing the film is to remove the water between the film and the glass. The adhesive will then begin to dry and it will form a very strong bond with the glass. Spray the film so that the squeegee glides easily.

#### **IMPORTANT TIP:**

Do not squeegee all the way to the edge, until the edge has been trimmed. In the picture above, you can see that our installer stopped the squeegee stroke a few inches from the edge. If we were to squeegee all the way to the edge before trimming, we would cause dirt and grit to get sucked back under the film. Squeegee the entire window, but do not go all the way to any of the edges.

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Keep the squeegee blade clean



You will need to apply firm pressure on the squeegee. Any dirt or grit on the squeegee blade can scratch or damage the film. Good technique calls for wiping the squeegee blade clean after every few strokes. Spray the film as much as necessary to lubricate the surface so that the squeegee will glide easily over it.

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Work from top to bottom



Work your way down from the top to the bottom of the glass. Use overlapping strokes and try to remove as much water as possible with the squeegee. The more water you remove, the faster the film will dry. If you need to re-squeegee a section or area, make sure you spray the film again to lubricate the surface. Never squeegee dry film with the rubber squeegee blade.

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### Step #19 Trim away the excess film.



Using our razor knife, it is time to trim away the excess film. We will start on the right hand side. As you can see, there is still water under the film, close to the right edge. We can squeegee this water out after the film is trimmed.. Extend the knife blade and use the window frame as a cutting guide. Trim carefully, as close to the edge as you are able to.

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Tear away the excess



Once the film has been trimmed, carefully tear off the excess. Make sure that you pull in the direction away from the edge. Do this very carefully so you do not rip the area of the film which will remain on the glass.

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Trim the top



Once the right edge has been trimmed, you can now start to trim the top. Again, use the edge of the window frame to guide the cutting blade. Trim slowly and carefully. Break off the blade tip after each few cuts. A sharp cutting edge is very important.

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Tear away the top piece



Once the top edge has been cut, carefully tear away the excess film along the top edge

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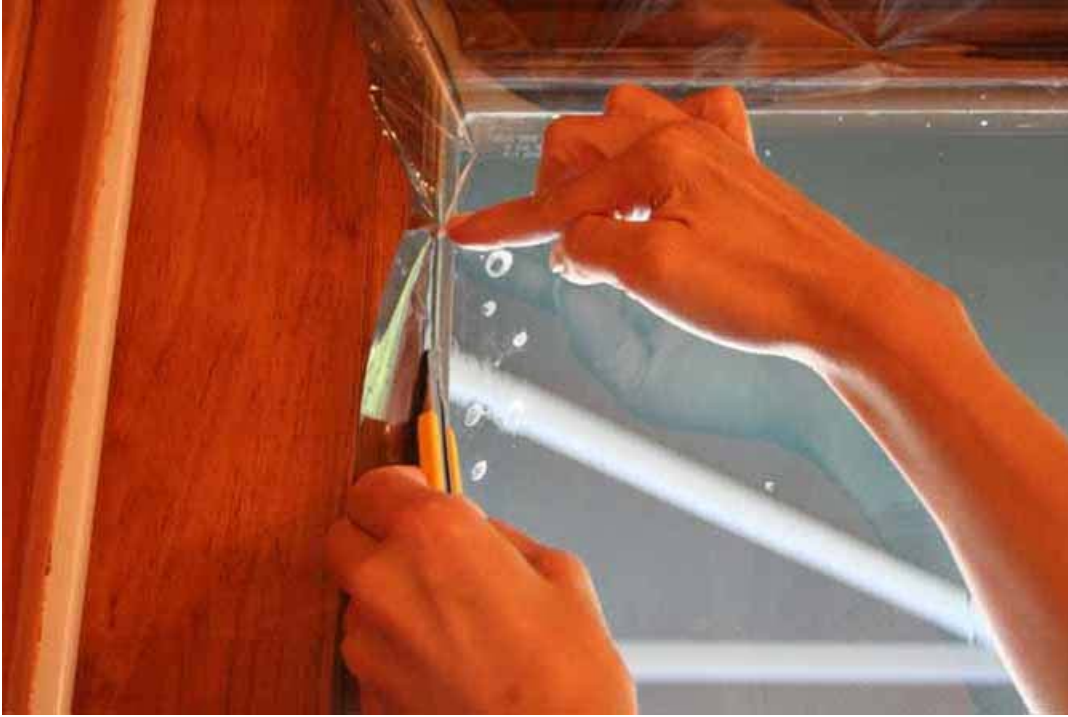
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Trim the left edge



Trim the left edge just as you did the right edge. Notice the water is still under the film near the edges. We did not squeegee all the way to the edge because the film had not been trimmed.

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### Step #20 Squeegee to the edges



Now that the film has been trimmed, we can squeegee all the way to the edge. If the squeegee does not glide easily over the film, spray the film to lubricate the motion of the squeegee. You want it to glide easily so that it removes the water between the film and the glass.

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Wrap smoothie squeegee in a paper towel to dry the edges



One of the last important steps is to dry the edges of the film. We will use our smoothie squeegee, wrapped in a folded paper towel.

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**LAST STEP !!!** Dry all the edges !!!



Starting 5-6" from the edge, use the paper towel covered squeegee and squeegee toward the edge. Any remaining water left under the film should be pushed out at the edge and absorbed by the paper towel. Repeat this procedure if necessary to dry the edges.