



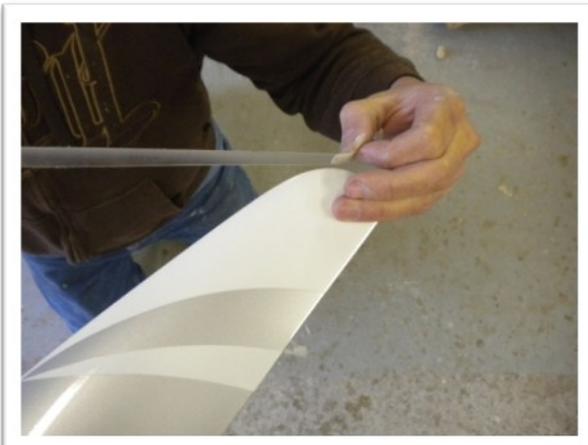
LET

Leading Edge Tape Application Instructions

Catto Propellers Leading Edge Tape (LET) is designed to protect the propeller's leading edge from erosion caused by flying through rain. This will talk you through the installation and techniques used to apply it.



Make sure the propeller is clean and free of any grease or contaminants. You can use Windex or any type of wax and grease remover. Apply a generous amount of the LET Adhesive Enhancer supplied to the leading edge area the tape will be bonded to. Use a small piece of paper towel or similar to apply. This will usually take about 15 minutes to dry.



Small tabs of masking tape are adhered on the LET for you to hold onto while applying. Pull the backing of the LET off being careful not to touch the adhesive side.



Starting at about $1/3^{\text{rd}}$ the way around the tip radius, apply just the very edge of the LET with the majority of the adhesion being on the masking tape at the tip. It is important not to go further than the $1/3^{\text{rd}}$ way around the tip, otherwise you will get excessive wrinkling of the tape.

Do not put your fingertips on the adhesive side of the tape. The oils from your fingers will decrease the adhesive strength.

With the very tip of the tape attached to the prop, press your thumb on top of the tape at the very tip. Pull out with your other hand stretching



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the tape about a half inch. As you do this the tape around the tip will begin to fold around and over the blade tip curvature.

As you stretch the LET strip, start to move your other hand towards the blade itself. As you do so, the tape will start to adhere to the very leading edge of the blade. Be sure to apply the tape so it is centered on the leading edge of the blade with the same amount on the top and bottom of the blade.



Be very careful in doing this step as once the tape is adhered, it is stuck! You cannot pull the tape back off and start again!

Using your finger or thumb, press the very leading edge down firmly onto the blade. Then you will start to work the tape down from the leading edge back, rubbing the tape span-wise back and forth.



The tip region and radius is the most tedious area to do. Depending on how far you stretched the LET when you applied it will depend on how many and how bad the wrinkles are at the tip radius. Working from the leading edge aft, work the tape back and forth and even out any wrinkles as you go.



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Work the wrinkles out so you have several of them, not one big one. The tape will lie down without any wrinkles as you work each one out.

Once the top is pressed down, you can now turn the propeller over and repeat the process on the bottom. Rubbing over the span back and forth from the front edge of the tape to the back edge to work the tape down firmly onto the blade .



Shown is a good example of the wrinkles being worked out; many small ones and not one big one. However, if you stretched the LET out far enough, you should have no wrinkles.

In your first hours of operation, keep an eye out on this radius area of the LET. If you see any signs of delamination, secure the tip region with SuperGlue, available from most drug or grocery stores. Apply a small bead to the last one inch of the tape. The bead is run between the tape and onto the blade itself.

Let this dry a good 15 minutes and the propeller is then operational.

If you ever having any peeling of the Leading Edge Tape off the propeller blade, the SuperGlue will adhere it back down securely.

