

NOT FAA APPROVED!



Installation Instructions & Tips

First, be certain the aircraft surface is clean. If it is not, MachTape™ may not adhere properly and may start to come off over time. There is plenty of adhesion if the surface is clean. Don't apply it immediately after washing the aircraft or its surface, as water around moldings, gaps, etc. can cause vapor under the tape on a warm day. Normally, just a light wipe off with a damp towel is fine.

With all paint jobs, a fresh coat of carnauba paste wax is highly recommended before application.

It is ESSENTIAL that you work from the back and go forward of the area to be protected. Each strip should overlap the previous one slightly to protect the leading edge from airflow. In our experience, don't spray the area with anything. Just install it dry.

Put extra pressure on any leading edge. You will be surprised how the wind can start to nibble at those small edges if allowed; recommend that any edge is after of a stagnation point. And don't try to stretch it much. You can overpower the adhesive by doing this.

Don't work from the roll when applying the tape. Cut off the approximate length you need before starting to apply it. Often you can stick one end down temporarily to the surface, as you go across to see how much you need. A sharp knife like an Xacto or a cheap snap blade razor knife is better than scissors.

When using the applicator, use the felt side and push toward the direction that you are laying the tape. Try running straight down the center of the tape with the first pass. Then, go back and smooth down the edges working from center to edge. Sometimes, depending on the contour, that helps control bubbles. Come back with a pin to poke a small hole on any stubborn air bubbles and press – smooth.

When working around headlight surrounds, trim, etc, you may want to trim the tape carefully with an Xacto or similar blade and then cover the headlight or trim separately. This is all dependent on how concerned you are with a more finished installation.

If you tape over your headlights and then turn on the lights, check to see that the tape is not overheating. It should be fine, but you never know. Nobody so far has had problems. Recommend only for VFR and may detract from 'See and Be Seen' but will protect the lens if that is the concern.

Areas that are very flat to the front of the aircraft and down low may benefit from an additional layer of protection. These leading edges will take the full force of any incoming rock or object, whereas the sloping areas receive a glancing blow with substantially less force for damage. FYI, most automotive "clear bras" are 8 mil and MachTape™ is 5 mil thick. Note: don't forget to check to see if you need to do more than just the front of the aircraft. Be cognizant of anything near an intake opening!

If any openings are of a concern, one can go right across grill and other openings, then just slice the center areas' centerline and fold the remaining tape back into the opening; slice into corners as needed. It doesn't look great, but works fine and is still better than blue tape! This is more for throwing on quick protection for a quick flight or protection as long as it lasts.

At the end of the day or flight, just peel off MachTape™ (and bugs) and throw it away. It's easiest when it is still warm from the sun, but peels off fine when cold, as well. REMEMBER, MACHTAPE™ IS INTENDED FOR TEMPORARY PROTECTION. We have used it for up to 10 days with no issues, so we feel two weeks is about the maximum.

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A combination of rainwater and cold weather will probably result in some residue staying on the surface when the tape is removed. Apparently, the MachTape™ adhesive is somewhat water soluble, so it softens when there is a lot of water present under the tape. With warm weather, the adhesive is more pliable and largely still pulls off well. When it is cold, the adhesive is more prone to stick to the surface. Any residue can normally be removed with a combination of new **fresh** 91% isopropyl alcohol and heat from sunlight or a hair dryer. Apply the alcohol with a clean microfiber cloth.

Other uses for MachTape™

- It's great to put down temporary surface protection when working on your aircraft in a specific area. A couple of layers gives extra cushioning.
- You can use it like a large lint remover on cloth. Cut a strip a couple of feet long and stick it down on your cloth, then remove. Or wrap around your palm and use in this fashion. Repeat as needed.

DISCLAIMER (Lawyer stuff!)

MachTape™ is NOT FAA APPROVED; FOR EXPERIMENTAL USE ONLY!

Even though MachTape™ is designed as a protective tape and is intended to be applied to **factory finishes** and then later removed without damage to the underlying surface, there are simply too many variables out there to guarantee against possible damage to all surfaces upon removal. We have never personally encountered any issues by using the tape on **factory paint**, even after leaving the tape on for several days.

An unknown variable is any coatings on **non-glass** headlights. If you have concerns in this area, it suggested that a layer of kitchen type plastic cling wrap be applied before the MachTape™. So far, we have no reported issues.

On **repaints**, a test is also recommended. A fresh coat of carnauba paste wax may help keep MachTape™ from gripping old paint too aggressively.

This doesn't mean that all the planets might not line up wrong and your aircraft might be the first to have a problem. If you do have a problem, we are really sorry, but we cannot take responsibility for it.

MachTape™ is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of our team. The data on this sheet relates only to the specific material designated herein. We assume no legal responsibility for use or reliance upon these data. The information provided is to be used as a guide and customers should always perform their own tests to ensure performance in their application. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant products will be free from defects when shipped to customer. Our only obligation under this warranty shall be limited to replacement of product that proves to be defective. All freight charges for replacement products shall be paid by customer. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. Before using, user shall determine the suitability of the product for its intended use and user assumes all risk and liability whatsoever in connection therewith. In no case shall we be liable for incidental or consequential damages. We do not accept returns of any material unless defective.

SPECS:

LOW DENSITY POLYETHYLENE CLEAR BACKING

OVERALL THICKNESS W/ADHESIVE	5MIL	ELONGATION (%) MD-ASTM D 882	525
TENSILE STRENGTH PSI MD ASTM D 882	4100	ELONGATION (%) TD-ASTM D 882	600
TENSILE STRENGTH PSI TD-ASTM D 882	2900	ADHESION TO STEEL (OZ/IN) - PSTC - 1	7.5 - 14

ADHESIVE IS A CUSTOM FORMULATED WATER BASED ACRYLIC ADHESIVE

CONTACT: (818) 355-1511. Please leave a message and one of our representatives will respond within 24-48 hours if not sooner.

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