

## Protect All Keeps 'Em Clean

There's some mysterious force in the universe that knows when you've washed your airplane and the next day unleashes a dust storm, a herd of insects on final or somehow rains dirt.

We've all spent untold amounts of money seeking the perfect cleaner/polisher and now a product has moved over from the motorcycle world to enter the fray.

It's called Protect All and the manufacturer, Champions Choice, Inc., sent over a case for evaluations and to try on our own airplane. Adam Huber, president of Champions Choice, is a pilot and aircraft owner who enclosed a batch of testimonials from the cycle world praising his product.

(Our favorite was from a Harley-Davidson dealership in which the author, a young lady said in part, "I myself will never use another polish or wax on my ol' man's motorcycles again-this stuff is awesome!")

It occurred to Huber that airplanes get almost as dirty as motorcycles (who knows why?) and he began using his product on his 1977 Cessna 182. Bystanders often mistake it for a new airplane because of its shine, he said.

With that in mind, we took a can to the airport, gave the airplane a good bath (Huber says if it's really just dusty that's not even necessary) and began applying Protect All. The proper method is to spray it on-even in high winds the aerosol spray stuck to the metal-use one rag to cover the surface and follow up with a second to pick up any excess.

We covered the entire right wing, most of the left wing, the cowling and the cockpit roof. The rest we left devoid to compare the difference after a few weeks.

Immediately we noticed a deep, penetrating shine on those areas-particularly where the airplane is painted white-that glistened in the sun. The metal was smooth and slick to the touch when the Protect All was applied.

After the airplane had been resting in its tiedown for some 10 days, exposed to the sun, wind, dirt and dust, we took a clean rag and wiped the entire airplane. Where the Protect All had been applied the dust came off on the rag easily, leaving metal as shiny and clean as it was after the first application. In those areas where the cleaner had not been applied, the dust stuck to the metal and there was no shine.

The most dramatic application came when we cleaned the Plexiglas windshield and side windows. While Protect All doesn't fill in minor scratches, it does such a good job on the windshield that you have to reach up and touch it to make sure it's still screwed in.

Huber says his product works on vinyl, plastic, rubber, paint, fiberglass and chrome, among other surfaces, and unlike some other cleaners, does not attract dust, repels foreign objects (insects just flick off) and protects the surface from sun, ozone and smog. It also aids in preventing cracking, rot and deterioration, he says.

The reduced friction from the newly slick surface (the propeller is now so slippery it's hard to push the airplane into its tiedown should assist in reducing air friction.

The motorcycle fans, particularly the "dressers" who dote on chrome and fancy paint, really love Protect All, according to their testimonials. There's no reason to believe airplane owners won't either.

And somehow, it's more satisfying to fly a clean airplane, especially, when all it takes is a quick swipe with a dust rag to make it look freshly polished.

Protect All is available from Champions Choice, Inc., P.O. Box 5968, Orange, CA 92613