

Mercury Adhesives

Press Release

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Mercury Adhesives M100XF Wins Best of Show at SEFF 2007

An Adhesive as best of show?

M100XF is the result of nearly 2 years of lab work by Mercury Chemist. This work has resulted in a formulation that is among the fastest, strongest and highest quality ever available.

Cliff Whitney and Steve Evans, founders of **Mercury** Adhesives were very flattered that the new M100XF High Performance ARF adhesive was chosen by the 280+ registered pilots as the best new product at SEFF 2007.

The Mercury Founders have been working under the covers for over two years to bring **Mercury** to life. Cliff Whitney recently stated “I was naive to the adhesive business 2 years ago but knew that a quality change was needed in the industry and managed to get Steve to join me at Mercury.”

Mr. Whitney went on to say “We released the **Mercury** company and the only USA produced line of products at the Toledo show. With our unique formulas, no clog bottle and cap design as well as our 2 year unconditional warranty the Mercury man was very well received with 10 deep crowds at the booth each day.”

The new M100XF High Performance adhesive has never been seen in public before SEFF 2007. It is a product that Mercury founders purposely held back at Toledo so as to use it as a new product release at SEFF. Steve Evans said “This product is a first in the adhesive market and is designed for high alkaline Popular and lite Ply which is why some are calling it the ARF glue. It is simply the highest quality CA anywhere. Even with this knowledge, I was skeptical to enter the product at the SEFF competition and was very confident that we would loose out in the voting to other E-Flight products, as the line up at SEFF is always the cream of the crop!

To think that this award is actually voted on by the pilots and they choose our M100XF over the many other very fine products presented has not fully sunk in. Everyone at **Mercury** is very thankful for all of the encouragement and support we have been receiving from users of our products and the growing list of hobby shop owners around the world who are allowing the consumer make the choice of the adhesives they can purchase.”

Cont. on Page 2



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Most pilots are just not aware what is actually holding their aircraft together. There is a difference in the adhesives out there, major differences as any professional builder will tell you.

The M100XF product is from the Ethyl family of CA with a few proprietary additives included to increase speed and strength. M100XF is 100cps in viscosity, thicker than thin but thinner than medium but yet still has very good wetting out qualities when applied to a joint, it will not wick into the joint but will soak into to the joint and surrounding wood to make a very strong bond. M100XF can be used by either applying to one surface before positioning or it can be applied to the joint after the parts are positioned. With these properties M100XF is a great adhesive for using over the existing joints in ARF aircraft where a good once over is needed before the first flight.

Another strong attribute is it's low vapor properties. While it is not a low odor product like Mercury M100F or M1000F, users have noticed, during the many hours of testing, that M100XF does not produce the same amount of vapors as the standard Ethyl grade CA.

One of the best uses for this product is on poplar plywood, or as builders know it lite-ply. We have also found it to work great when sheeting with balsa or working with any tough to bond surfaces.

The reason this product works so good on the poplar plywood is due to the high alkaline content of poplar. Alkaline is a neutralizer to cyanoacrylate, which will prevent the product from reacting with the moisture in the wood; in this case an accelerator would be used to promote the curing process. The accelerator will cure the CA but with a more brittle joint, the vary thing you want to avoid when gluing plywood.

Based on extensive testing this product is a great choice for assembling the ARF type models. Because of the extensive use of poplar plywood in these models most manufacturers use a PVA (polyvinalacetate) type of glue. This glue is an air-drying adhesive that cures by solvent evaporation. Simply put, when the water, that carries the adhesive to the joint, evaporates the adhesive that has spread into the joints grain and crevices dries and forms a flexible, mechanical bond. These types of products are heavy, slow and do not posses the strength of CA.

With the excellent wet-out capabilities of M100XF you can go over the joints on your new ARF and be assured the glue joints are solid. Also you can use this product during the many assembly and gluing steps required to complete the model.

More about where to find mercury products, as well as the Science behind the high quality line of mercury Products can be found by visiting the companies web site <http://www.mercuryadhesives.com>. Be sure to click on "The Science" link as well as to watch the Video.

About Mercury Adhesives

Mercury is a privately held corporation located in Cumming, GA. Mercury is sold direct to retail outlets and not direct to consumers. The Mercury mission is to manufacture and distribute the highest quality Scientifically Engineered adhesives around the globe. More info is available at <http://www.mercuryadhesives.com>

