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Subject: 122 Sailplane Preparing the Wing Structure for Covering

### *Comet Sailplane Project*

Today I started preparing the wing structure for the first covering of Polyspan Lite. My doping procedure is to coat the structure with a mix of 50% clear nitrate dope / 50% nitrate thinner three times with light sanding in between coats. Then apply a coat of 100% straight clear nitrate dope to only the bottom edges of the undercamber ribs to insure a good bond with the Polyspan light. The Sailplane wing structure has large leading and trailing edges as well a large number of ribs and sub ribs (see picture below) that require a significant amount of time to put on just one coat of dope (about 1-1/2 hours with some time out between the top and bottom of the structure). Then this all has to be sanded with 400 grit paper. I was able to put on the first coat of clear dope before I had to leave to drive to Flower Mound, Texas, (35 miles away) to take my daughter out for our monthly luncheon date (a big treat for daddy). After I returned home I managed to get the structure completely sanded and a second coat of dope put on before I had to quit for the day. Tomorrow I hope to get the wing sanded again and the third coat of dope put on and if I am lucky maybe get the third coat of dope sanded. If all goes according to plan, I will apply the final coat of 100% straight clear nitrate dope to the bottom edges of the undercamber ribs before I go to bed tomorrow evening. However, we'll have to wait and see if I can get this all done in one more day.....Tandy

