

#43A

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Subject: Products Research's Fuel Tank Vinyl Sealant.

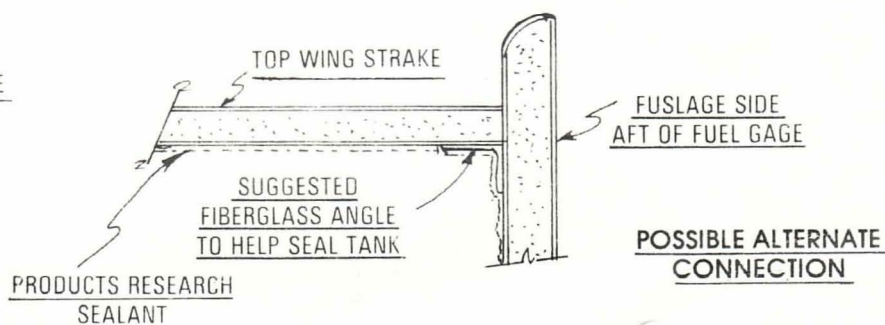
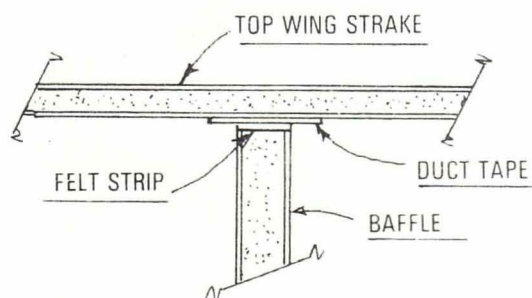
Paul Prout:

As per phone conversation Oct 17/84.

The following is a step by step description of "Products Research & Chemical Corporation's vinyl coating on our Long-ez fuel tanks. Which by the looks of things is the way to go to prevent possible fuel leaks.

Our wing strakes are from Task Research and when we installed them into our "Bird" according to plans, they fit very nicely.

1. C.P. 41 page 7 came out just at the right time, as we were wondering how to seal the baffles to the top half of the strake properly. That builder's hint filled the requirements perfectly.
2. The entire fuel area was sanded thoroughly so that the Products Research primer would have a good contact with the strakes.
3. We had to determine where the baffles were to come in contact with the top half of the strake so this area could be masked off. This was done by applying a strip of thin felt on top of all the baffles and trimming them to the exact width of the baffles.
4. Duct tape was then applied to the top half of the strakes, at the locations where the baffles would come in contact.
5. The felt was painted with a flat latex paint and the two halves of the strakes were carefully put together and held with Clecos for a few minutes. The top half was then removed and the paint transferring to the duct tape gave the exact contact of the two.
6. The duct tape was then trimmed slightly larger than the width of the baffles. So that after the vinyl was applied the tape could be removed and a good contact between the baffles and the top half of the strake could be obtained.
7. All other areas not wanting the vinyl coat were masked off.
8. Products Research came over one evening and painted the entire fuel area with a primer. This was done two days prior to the two finish coats.
9. The two finish coats were applied the same day, two hours apart, by using a 2" roller on the flat surfaces and paint brushes in the corners and edges. Both coats were different colors, so as to make sure that the second coat completely covered the first. (NOTE) Products Research thought that an "AIRLESS" Sprayer may do a good job of applying the vinyl evenly and plan to try this in their laboratory.
10. The chemical smell is very strong and takes a few days to clear, but the finish <sup>act</sup> product looks extremely promising and should make a very reliable tank seal.



Russell & David Harris