

Kind: Exchange of laminate resin system.

Subject: The laminate resin system SCHEUFLE L 160 / hardener 160 or 163 (which is used to make the Kevlar control surfaces and flaps) is exchanged for the new laminate resin system SCHEUFLE L 285 / hardener 285, 286 or 287.

Compliance: ~~None; for factory-new gliders only; standard serial equipment as of s/n 20672, with the exception of s/n 20700 thru 20809.~~

Affected gliders: All model variants.

Reason: To laminate the Kevlar control surfaces and flaps, the new laminate resin system SCHEUFLE L 285 / hardener 285, 286 or 287 is used. Hardener 285 provides the quickest reacting mixture while hardener 287 gives the slowest reaction; the reaction time of hardener 286 is in between.  
Depending on the required pot life or the temperature of the environment, the most suitable hardener may be selected.

Action: Instead of the resin system SCHEUFLE L160 / hardener 160 or 163 we use the laminate resin system SCHEUFLE L 285 / hardener 285, 286 or 287 to build the Kevlar control surfaces and flaps. (See laminate drawings 201.31/32.S1; 201.35/36.S1; 201.38.S1; 201.53/54.S1; and 202.31/32.S2.)

Material: See above.

Mass & C.G. position: The changes in mass owing to the new resin system are insignificant. So the influence on empty mass and C.G. position is negligible.

Notes: 1. Older structure components out of the resin system SCHEUFLE L 160 / hardener 160 or 163 can be repaired with the new resin system L 285 / hardener 285, 286 or 287. The company SCHEUFLE has accomplished corresponding glue testing.

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2. There is always the same mixture ratio between the resin L 285 and the three hardener types, i.e.  
100 parts in weight resin L 285 and  
38 parts in weight hardener 285, 286 or 287.
3. The mixture ratio of the glue filling material are the same as stated for Epikote 162 / Epikure 113.
4. The curing conditions are the same as for the old resin system.

Poppenhausen, March 22, 1985

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The German original of this Technical Note has been approved by the LBA under the date of May 9, 1985 (signature: SCHMALJOHANN). The translation into English has been done by best knowledge and judgment; in any case of doubt the German original is authoritative.

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