Exchange of laminate resin system.

The laminate resin system SCHEUFLER 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 SCHEUFLER L 285 / hardener 285, 286 or 287.

None; for factory new gliders only; standard serial equipment as of s/n 20572, with the exception of s/n 20700 thru 20809.

All model variants.

To laminate the Kevlar control surfaces and flaps, the new laminate resin system SCHEUFLER 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.

Instead of the resin system SCHEUFLER L160 / hardener 160 or 163 we use the laminate resin system SCHEUFLER 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.)

See above.

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

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

ALEXANDER SCHLEICHER
GmbH & Co.

[Signature]

Gerhard Waibel.

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.