DG Aviation GmbH
76646 Bruchal

Service Info
Nr. 72-11

Subject: : Approved areas of airframe surfaces for anti-collision markings

Effectivity : DG and LS sailplanes and motor gliders

Accomplishment : At manufacture or retrofit

Reason : Due to the increased temperatures caused by colours other than white, anti-collision markings may be applied only on areas with high safety factors and on areas not subject to vertical sunshine.

Instructions :

A Paint in colours according to the maintenance manuals or
Adhesive foil: 3M Scotchcal TM Special Effects-films series 7725-400 variant SC 7725-404 yellow-orange florescent
may be applied to the following areas:

1. Fuselage nose.
2. Vertical fin and rudder: Completely, but be careful not to exceed the rudder moment (trailing edge load) limits to avoid flutter problems.
3. Horizontal tailplane: Only the stabilizer and only up to 200 mm from the tips.
4. Fuselage upper surface: The area between canopy and rear wing attachment pins.
5. Winglets: completely
6. Wings with parting: It is not allowed to mark the inner wings, only the outer panels may be marked (see below).
7. Short wing tips e.g. 15m wing tips for single-seaters or 18 m wing tips for two-seaters: Completely.
8. Long wing tip extensions and the tips of wings without parting:

Only wings, no control surfaces may be marked!

a) DG-100 up to DG-600 and all LS single-seaters: max. up to 400mm from the tips.
b) DG-500, 22m up to 550 mm from the tips.
20m: up to 1000 mm from the tips.
c) DG-800: up to 1000 mm from the tips.
d) DG-1000: Winglets and up to 600 mm from the tips.

B Mirror foil may be applied to other than the areas given above, but not on control surfaces for flutter reasons.
Approved adhesive foil: 3M Scotchcal TM brilliant film series 7755-400 variant SC 775-420 brilliant silver

Bruchsal,
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Issue 3: J.B. Wassenaar
Author: W. Dirks