

Subject:	Approved areas of airframe surfaces for anti-collision markings
Effectivity	DG and LS sailplanes and motorgliders
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	<p>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:</p> <ol style="list-style-type: none"><li>1. Vertical fin and rudder: Completely, but be careful not to exceed the rudder moment (trailing edge load) limits to avoid flutter problems.</li><li>2. Horizontal tailplane: Only the stabilizer and only up to 200 mm from the tips.</li><li>3. Fuselage upper surface: The area between canopy and rear wing attachment pins.</li><li>4. Winglets: completely</li><li>5. Wings with parting: It is not allowed to mark the inner wings, only the outer panels may be marked (see below).</li><li>6. Short wing tips e.g. 15m wing tips for single-seaters or 18 m wing tips for two-seaters: Completely.</li><li>7. 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.</li></ol> <p>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</p>

Bruchsal, date:14.12.2011

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