Maintenance Instruction
Fire protection paint in the engine compartment Issue III

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Subject: Fire protection paint in the engine compartment

Applicability: All powered sailplanes (only retractable propulsion systems) of the company A. Schleicher with combustion engines or with high-voltage battery unit in the fuselage.

Note: For powered sailplanes with electric engines and wing batteries, the engine compartment is coated with a textured paint (for example MIPA), only.

Reason: Damaged fire protection paint in the engine compartment must be repaired or for applying the paint for the first time (production). The product names and the manufacturer of the material will be specified as well as the required process.

Action: The coating in the engine compartment consists of two materials (fire protection paint and top coat). The surface must be free from dirt, oil and bond damaging substances. Roughen surface well (abrasive paper grit size 80 or 100).

Fire protection paint

The application is done by using lambswool rollers (medium pile hight) or brushes. The object temperature must not be less than +10°C (50°F) and not more than +40°C (104°F), relative humidity max. 70%. For a better spreadability, the paint can be slightly diluted with water.

To reach the minimum coating thickness, apply **two** coats. For a sufficient fire protection, a total quantity of **500 g/m²** (**0.1 lb/ft²**) is required.

Drying time (reference value, depends very much on the humidity):

approx. 24 h, dust-dry after approx. 4 h

Top coat

After 24 h drying time apply PUR 2K top coat (e.g., FRANKOPUR 2500 DD 2K top coat) RAL 7001 and let dry it min. 8 h.

Material: Previous materials and product names:

Pyrotect Holz weiß - Company Rütgers Organics GmbH (formerly **Pyromors** - company Desowag). Approved from the "German Institute for Building Technology - DIBt" under the certification number **Z-56.313-92**

Pyrotect-Aqua – Company Rütgers Organics GmbH
Approved from the "German Institute for Building Technology - DIBt" under the certification number **Z-19.11-1522**

Sika Pyroplast HW-130 - Company Sika Deutschland GmbH
Approved from the "German Institute for Building Technology - DIBt" under the certification number **Z-56.313-97**

Current material:

Sika Pyroplast ST-100 - Company Sika Deutschland GmbH
Approved from the "German Institute for Building Technology - DIBt" under the certification number **Z-19.11-1461**

Note: Instructions for treatment and safety of the company Sika can be found here: www.sika.de

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(i.A. M. Münch)