

FLIGHT DESIGN USA SAFETY DIRECTIVE No.1

Rohacell® foam core

NOTIFICATION

Flight Design USA

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- Scope: CT, CT2K, and CTSW in all versions.

Discussion

Some aircraft were found to have damaged Rohacell® foam indicated by the deformation of the affected surface.

Analysis of the phenomenon indicated that the Rohacell® was damaged by alkaline water (Despite the material being highly resistant to many chemicals and fuel).

Aircraft components with thin outer layers have been found to be particularly vulnerable.

Many cleaning products and polishes contain alkaline.

Rain water, although often acidic, can tend towards being alkaline.

Corrective Action

The Maintenance and Inspections Procedures Manual will be changed to clarify and emphasize that the aircraft must not be exposed to alkaline.

If an aircraft is to be stored outside for extended periods, steps should be taken to keep it dry by use of waterproof covers.

If an Owner/Operator suspects Rohacell® damage, operation of the aircraft must not be attempted, and Flight Design must be contacted for further instructions.

Reminder

Flight Design reminds the Owner/Operator of a Flight Design aircraft that compliance with all Safety Directives, Aircraft Operating Instructions, Maintenance Manuals as well as the reporting of any and all Safety of Flight or Service Difficulties by the Owner/Operator is *mandatory* for the operation of an S-LSA aircraft.