



AMERICA'S CUP

AC CLASS RULE

INTERPRETATION NO 12

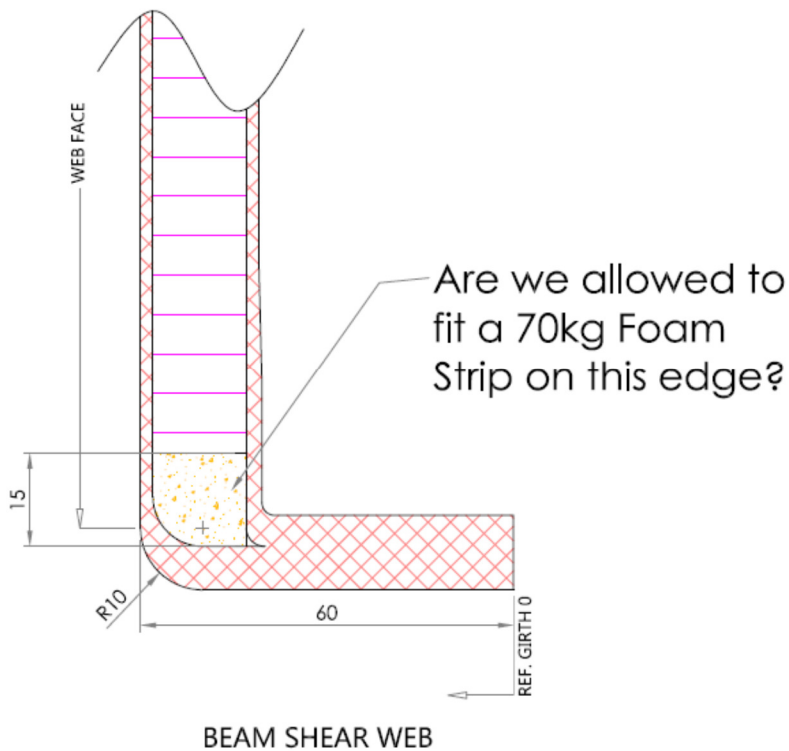
Rule References:

ACC-5003-RevA FWD BEAM SHEAR WEB LAMINATE

ACC-6003-RevA AFT BEAM SHEAR WEB LAMINATE

Question:

Are we allowed to place a 70kg Foam on the following edges of the Forward and Aft Shear Web?



Interpretation.

The third sentence of Rule 20.2 states:

Laminates resulting in greater fiber weight, resin content, core density, or core thickness than specified in Appendix E are permitted.

Drawing 5003 Fwd Beam Shear Web Laminate specifies a 15mm x 50kg/m³ alloy core for most of its length. The ends of the beam require 15 mm x 70 kg/m³ alloy core.

Drawing 6003 Aft Beam Shear Web Laminate specifies a 15mm x 50kg/m³ alloy core for most of its length.

Accordingly the proposed change to a foam core of greater density is permitted. In the area where 70 kg/m³ alloy core is required care should be exercised to ensure the substituted foam is not actually lighter than the specified alloy.

Attention is also drawn to Protocol 23.1 (a) and (b) related to meeting or exceeding structural specifications when considering substitute core materials. For example, shear strength, ductility and fatigue strength must be considered when choosing the core material. END

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