

# International Etchells Class

## Bow\_Bulkhead\_Specifications

Minimum material tolerances will be controlled as described below however the order of installation and technique is not to be mandated.

Each builder may use a methodology they are most familiar with to install the materials.

- Installation of the bulkhead is controlled by drawing “Bow\_Bulkhed\_Installation\_2007” and “Bow\_Bulkhead\_Specifications.pdf”
- The bulkhead dimensions shall be controlled by the electronic file “Bow\_Bulkhead\_2007”
- The class can provide drawings to a builder or installer in Adobe PDF or AutoCAD DXF format.
- Nominal Bulkhead Dimensions are:
  - 160mm in depth measured from inside edge of frame to outside edge of frame
  - Height of frame from bottom at center line to top at sheer 890mm
  - Frame ends on underside of deck 330mm from inside of sheer just shy of deck stringers
- Stringer cutouts can be adjusted to accommodate build variation in stringer placement.
- The bulkhead shall be fabricated from 5.0 lb/cubic foot (80.0 kg/cubic meter) density 0.75” (19mm) thick closed cell foam.
- The fore and aft face of the foam bulkhead will be completely covered with a minimum of 12 oz/sq yard (400 gm/sq meter) of continuous fiber woven cloth and a 0.75 oz/sq yard (25 gm/sq meter) chopped strand mat.
- The tabbing will be nominally contiguous along all frame/hull and all frame/deck interfaces.
- The tabbing is to be a minimum of 17 oz/sq yard (580 gm/sq meter) stitch bonded cloth with  $\pm 45^\circ$  fiber orientation and a 0.75 oz/sq yard (25 gm/sq meter) chopped strand mat. If commercially available a single stitch bonded product of the specified composition and fiber orientation may be used.
- The tabbing shall lap onto the hull frame and deck/frame by 4” (101mm) maximum.
- The tabbing may lap onto itself to a maximum of 1” (25.4mm).
- A fillet is optional but if used may be of 4.5 oz/cubic foot (72 kg/cubic meter) foam or polyester based putty and shall lap onto the adjoining surfaces by a maximum of 0.75” (19mm)
- All resin systems are to be as per the hull deck specifications

Typical Installation

