

Security Testing

The AA®3110HW Window has been tested by Healthcare Trusts to simulate its performance in the most stringent conditions. The test results highlighted below prove the suitability of the AA®3110HW for Healthcare projects.

Test	Result
■ 15 minutes fire extinguisher attack test	■ Panels remain intact
■ 20/25 strikes with a snooker ball in a sock (used as a truncheon)	■ Limited damage to sash and frame, no damage to the 10mm toughened glass
■ Up to 30 blows to window using a wardrobe door, drawer unit, belt buckle, shoe heel, small stone or flint or any other implement detached in earlier tests	■ Glazing remains intact
■ To remove parts of the window with a knife, fork or spoon	■ Not removed
■ Standing on furniture at window level, kicking window / frame up to 30 times	■ Window, sashes and glazing remain in-situ (10mm toughened glass)
■ Attempt to remove gaskets/seals with a tool such as a key, pen or belt buckle or fingers	■ Removal of gaskets resulted in only small sections of gasket (less than 10mm lengths) being withdrawn at any one time
■ Attempt to defeat window restrictors via deflection, distortion by repeated pushing/pulling	■ Restrictors and other fittings remain intact and firmly fixed to window assembly
■ Attempt to remove window fittings using key, pen, ruler, belt buckle, fingers, small stone or flint	■ Not removable
■ Attempt to lift sashes out of frame	■ Not removable
■ Attempt to form ligature point using key, pen, belt buckle, string or shoelace, towel or sheet	■ Ligature not formed

Weather Performance

Independently tested at the BRE up to the following performance *

Air Permeability: Class 3

Watertightness: Class 9A 600Pa

Resistance to Windload: Class B5

* Performance is dependant on frame and panel combinations

Security*

Independently tested to ENV 1627 Class 2 by the SKG test institute in the Netherlands

* Does not refer to standard hardware, security hardware required