

EB Shower Seat Load Tests

Objective: Determine the safe working loads of the EB range of shower seats. Test results generated assumed across all EB model seats given identical componentry and adoption of 'worst case' in terms of seat size (width).

Item: EB1-700 Seat.

Test Date: 17th March 2017

Loading: 300kgs (47 stones) applied to arms and 350kgs (55 stones) applied to the seat.

Testing Quantity: 2 pieces

Testing Procedure Arms:

1. EB1-700 assembled on a test rig, simulating a secure 'real life' installation against a wall.
2. Load 300kg on the aluminium armrest to test the armrest loading capacity (see illustration A).
3. After 20 minutes, remove the load and check the armrest status.

Testing Procedure Seat:

1. EB1-700 assembled on a test rig, simulating a secure 'real life' installation against a wall.
2. Load 350kgs on to the seat base, with pad removed for load stability (see illustration B).
3. After 20 minutes, remove the load and checked the seat status.

Result: PASS - arms and seat move freely and operate correctly with no visible signs of damage, deformation or defects following or during the application of the loads.



Illustration A
300kgs load applied to (spread over) both aluminium arms. No deformation evident.



Illustration B
350kgs applied to the seat base.