

B-Test™ Case Study

Product Development Testing

Date: 2025
Sector: Construction R&D
Environment: Lab testing
Test Scope: Annex F



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Objective:

- Assess our clients innovative partition system and details against British Standards for Robustness:

Challenges:

- Door opening sizes and weights were beyond the partition manufacturer’s recommendations and details
- Our client’s innovative solution is outside the test parameters defined by British Standards

B-Test Solution:

Bespoke laboratory testing of Partition openings to British Standards:

- Walls tested principal of BS 5234-2:1992 annex F (severe)
- Annex F - **Door slamming** To measure the residual displacement of the door frame and any damage to the partition and frame from repeated door slamming
- Test designed to assess door opening sizes significantly larger than those defined within BS 5234-2:1992
- Door weights far exceeding the maximum 60KG were tested with our purpose-built rig

B-Test Results:

The testing provided vital data to help our clients develop their innovations further:

- Testing demonstrated that the system achieved the desired British standard duty ratings
- Our clients are now confident that their system performs far beyond industry requirements for opening sizes and door weights



Test purpose

Duty Rating

Client Objectives

Days to test

Client satisfaction

R&D

Severe

Achieved

1 Day

★★★★★

Smart Savings,

Faster Results,

Fully Compliant.

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