



Performance Testing Laboratory

ASSA ABLOY

Doorsets | Windows | Locks | Hardware

Experience a safer and more open world

ASSA ABLOY

What we do

Performance testing laboratory

At our state of the art ASSA ABLOY Performance Testing Laboratory in the heart of the UK, we draw on over 30 years' experience and utilise a broad spectrum of testing methods to fully assess the integrity of a new product designed to protect.

Testing to the highest technical grades and accreditations for a wide range of European standards, every product we test is in the most trusted of hands.

This facility has proven invaluable for designers and manufacturers alike – and enables testing criteria to be fulfilled for any accreditation that is required by the market sector.

Whether it's resistance to salt-spray or freezing temperatures; or strength under persistent attack; manipulation or even functionality under repeated stress, we have the facilities to accurately and comprehensively test your product.

We also specialise in developing innovative testing methods for bespoke requirements. This is particularly useful for new market products, or for export to international markets with differing standards' requirements.

Extremes of Temperature Test
Temperatures range from -40° to +80° depending on the standard



Door Closer Testing
Used for product validation



XRF Spectrometer
Used to test products needed for ROHS compliance



Manipulation Testing
To replicate a forced break in



Mechanical Load Testing
A force of 4.5kN is applied to the door or window



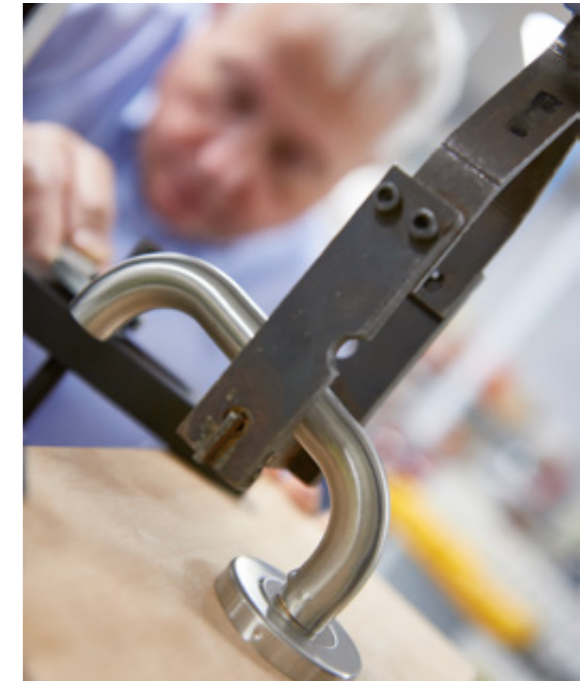
Independence, Innovation, Integrity

Our trinity of excellence

Soft Body Impact Testing
To test against shoulder charging



Manual Operation Test
Tested up to 100,000 cycles



Drill Resistance Test
A drill attack on a padlock for between two to eight minutes depending on the security grade



Endurance Testing
Tested up to 200,000 cycles



We offer a comprehensive manifest of resources and testing equipment, as well as the option to specify bespoke testing/endurance tests which are engineered in-house.

Security Testing: To enable us to assess performance under unusual or exceptional operational conditions.

Innovation Testing: To aid innovation by developing new and pioneering testing methods for individual requirements. Along with our extensive laboratory of testing benches, we custom design and manufacture modules to test specific products, under the relevant criteria and conditions.

Development Testing: Development testing often involves unique tests for products on behalf of the client. We have extensive experience with a broad variety of customised tests.

Accreditation Testing: In an accredited test, the product is tested in relation to a specific standard and in accordance with the approved test criteria.

Product Compliance:* For product approval we have the ability to check for ROHS compliance. We can also check paint adhesion by using the cross-hatch test method.

Manipulation Testing: Manipulation Testing to BS3621 in support of general vulnerability assessments as required by the standard.

Corrosion Testing: Neutral spray testing facilities are available to test the product requirements against the relevant hardware standards.

Weather Testing: Weather testing facilities available for door and window systems to test the product performance for water tightness, air permeability and wind loads.

Functionality Testing: Testing for product modifications is one aspect of quality control during manufacture aimed at ensuring product properties are maintained in mass production.

Temperature Testing: Extremes of temperature testing is available to test the product's performance in different parts of the world that may experience varying temperatures.

Our Accreditations

Ensuring our performance and integrity

**Hinge Durability
Wear Test**
Tested up to
200,000 cycles



Our reports provide comprehensive performance data on each test clause completed, with regards to compliance with the relevant standard.

We photograph samples before and after testing, as well as recording the operating tests, together with relevant details such as load or temperature.

We're authorised to report to UKAS accredited standards as appropriate, whilst offering over 160 individual testing criteria across 13 product categories.

We cover the following product sectors:

Residential

Doorsets, Windows, Locks, Cylinders, Padlocks, Door and Furniture Hardware, Hinges and Letterplates.

Commercial

Doorsets, Windows, Locks, Cylinders, Padlocks, Door and Furniture Hardware, Panic/Emergency Exit Devices and Hinges.

High Security

Doorsets, Windows, Locks, Cylinders and Padlocks.

Detention Locking*

Locks and Handcuffs.

TESTED TO THE LIMIT FOR GLOBAL EXCELLENCE

Our Guarantee:

- We are completely independent and unbiased.
- We provide findings that are reflective of performance.
- We are not driven to pass or fail - simply to report definitively on the performance of the product.
- We stringently preserve complete confidentiality in respect of all clients and their products.

The comprehensive reporting that we provide is valuable to the entire client business - from manufacturing and design, in respect of potential modifications to be made and integrity confirmation - right through to sales and marketing, who base product information and unique selling points on performance and durability.

Our world leading facilities, coupled with decades of experience, allow us to partner with our clients to develop the ultimate in testing for their products - and secure their integrity in the product marketplace.



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The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

*Not covered by UKAS Accreditation.

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