Test for resistance to burglary and physical security

Assess the resistance to burglary and physical safety of your security storage units and enclosures.

Secure storage units and enclosures (like pedestrian doorsets, windows, curtain wallings, grilles, and shutters) are susceptible to burglary attempts. In the case of burglary, the resistance factor of the units and enclosures is the most critical variable and influences the time that security forces have to prevent the theft.

'Resistance to burglary' tests aim to determine how long a secure storage unit or enclosure can maintain its functions and, particularly, its stability against a tool that can produce any alterations.

Regulations

Both types of products have regulations in order to assess their resistance to burglary and physical security characteristics.

- **Secure storage units**:
  - EN 1143-1:2019. Secure storage units. Requirements, classification and methods of test for resistance to burglary. Part 1: Safes, ATM safes, strongroom doors and strongrooms.
  - EN 1143-2:2014. Secure storage units. Requirements, classification and methods of test for resistance to burglary. Part 2: Deposit systems.
  - EN 14450: 2017. Secure storage units. Requirements, classification and methods of test for resistance to burglary. Secure safe cabinets.
  - UNE 108115: 2021. Secure storage units. Definition, classification and qualification tests.

- EN 12414:2021. Vehicle parking control equipment - Requirements and test methods for a parking terminal.

- **Enclosures**:
  - EN 1627:2021. Pedestrian doorsets, windows, curtain walling, grilles and shutters. Burglar resistance. Requirements and classification.
  - EN 1628:2021. Pedestrian doorsets, windows, curtain walling, grilles and shutters. Burglar resistance. Test method for the determination of resistance under static loading.
  - EN 1629:2021. Pedestrian doorsets, windows, curtain walling, grilles and shutters. Burglar resistance. Test method for the determination of resistance under dynamic loading.
  - EN 1630:2021. Pedestrian doorsets, windows, curtain walling, grilles and shutters. Burglar resistance. Test method for the determination of resistance to manual burglary attempts.
  - UNE 85160:2017. Security doors and hardware. Minimum requirements related to protection and resistance class. Selection, application and installation criteria.

Our methodology

Applus+ Laboratories provides testing services for secure storage units and enclosures and is the leading laboratory in Spain by annual testing volume.
Our experts study each project and identify the optimal certification route for the manufacturer's storage units and enclosures. This study helps to identify which models of the product are most adequate as testing samples in order to achieve the maximum number of certified models with the lowest number of tests. Our services include:

- Test and study of the behavior of the elements in regards to the resistance against burglary.
- Range expansion studies, integrating multiple changing components of the product and allowing, with minimum time and cost investment, to ensure compliance of a complete range of products.

Our laboratory

We have our own laboratories and highly specialized and versatile equipment, which

allows us to carry out all the tests required for each product.
Applus+ Laboratories is accredited by ENAC () to conduct the pertinent test to ensure compliance of secure storage units and enclosures according to the latest regulations.

Supplementary tests

Other than tests for the already mentioned regulations, we also can offer the following supplementary tests:

- On-site tests and evaluations of monolithic-cast strongrooms, according to our laboratory standards.
- UNE 108142:1988: Fixed gratings. Features and tests.
- Anchor plates. UNE 108136:2010. Anchorage procedures for secure storage units.

Benefits

- Ensure the performance of your product against burglary.
- Minimize the time spent in the evaluation process.
- Single testing partner to perform the full evaluation of your product
- Acquire extensive information to improve the quality of your product.
- Multidisciplinary laboratory that integrates different testing technologies within our facilities: fire, physical and chemical characterization, mechanical behavior, and thermal insulation, among others.

We have more than 25 years of experience in the security sector. Our experts participate in the main standard and technical forums, like CEN/TC 263, for the development of standards.

Applus+ Laboratories also participates in SECOTA (Security, Equivalent, Certification, Organization, Testing and Auditing). The SECOTA Project was founded in 2018 to compare testing laboratories in Europe and is based on the principle that a comparison test shall be carried on and must be open and transparent. The results are published in the SECOTA blog.