

Burglar Resistant Construction Products

This European standard specifies performance requirements for burglar resistant characteristics of pedestrian door sets, windows, curtain walling, grills and shutters.

The standard is designed to measure the security level of basically anything that is put into a 'hole in a wall'. It has 6 classes of security which are intended to address the levels of attack associated with the casual/ opportunist to the experienced/ professional burglar.

There are 3 test methods; Static Loading (prEN 1628), Dynamic Loading (prEN 1629) and Manual Burglary Attempts (prEN1630). There is also a minimum requirement for hardware to EN 12209 – Locking Devices, EN 1303 – Cylinders for Locks and EN 1906 Furniture.

It is currently generally accepted that security class 3 will be required for commercial applications, should this occur a door will have to withstand 6kN static load perpendicular to its face at the locking point and corners of infilling, a 50kg impactor dropped from 750mm and 20 minutes total attack time with specified tools. Locks fitted should achieve security grade 4 to EN 12209, cylinders achieve key related security grade 4 and attack resistance grade 1 and furniture achieve security grade 3.

This standard is currently in the final stages of development.

For further information please contact the Adams Rite Technical Department: +44 (0)1322 669211

Thief Resistant Lock Assemblies

This British standard specifies performance requirements and test methods for thief resistant mechanically operated single point lock assemblies that are used in doors, window doors and entrance doors in buildings.

This standard covers lock assemblies which is the lock, locking plates, cylinders and cylinder protection furniture and those that can be operated from both sides with a key only; for assemblies with internal thumbturn refer to BS 8621:2007.

For an assembly to achieve BS 3621 it must achieve the following: -

- Minimum grade of BS EN 12209

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- Minimum grade of BS EN 1303

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- Finally the whole assembly must pass a General Vulnerability Assessment carried out by the MLA on behalf of BSi Standards. This assessment is skill based using all known attack methods to find any potential weakness.

BS 3621 is a rigorous test which has historically been the benchmark for residential door locks, with the publication of EN 12209 it now is just a relevant to the commercial market.

BS EN 1303

Cylinders for locks

This European standard specifies performance and other requirements for the strength, security, durability, performance and corrosion resistance of cylinders and their original keys.

It identifies one category of use, three categories of durability, two categories for fire and corrosion resistance, six grades of key related security and three grades on performance. These are based on design requirements and performance tests which also simulate attack.

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