

Mechanically operated locks, latches and locking plates.

This European Standard specifies requirements and test methods for durability, strength, security and function of mechanically operated locks and latches and their locking plates for use in doors, window doors and entrance doors in buildings'

The standard covers all types of single point lock from those used on bathroom doors to that in high security commercial applications; as the hardware is tested in isolation it enables any lock's performance to be compared with another's.

To identify all the performance requirements each tested product will achieve an 11 digit classification code which is outlined below: -

1

Category of use – Denotes the application the product is suitable for 3 grades ranging from residential to commercial.

1

2

Durability – Specifies between 50k and 200k cycles with or without a load on latchbolt.

1

2

3

Door mass and closing force – Nine grades are identified from 100kg to beyond 200kg.

1

2

3

4

Suitability for use on fire/smoke doors – Identified by a 0 or 1 in box; where product is suitable must refer to fire report for details.

1

2

3

4

5

Safety – These products have no safety requirement although can conform to BS EN 1125 or BS EN 179 as well.

1 2 3 4 5 6

Corrosion resistance and temperature – 8 levels are identified.

1 2 3 4 5 6 7

Security and drill resistance – This covers sideload and end load with figures up to 10kN and 6kN respectively; the higher grades also must undergo a drill attack.

1 2 3 4 5 6 7 8

Field of door application – 15 grades of application are identified

1 2 3 4 5 6 7 8 9

Type of key operation and locking – Nine grades are identified.

1 2 3 4 5 6 7 8 9 10

Type of spindle operation – Five grades identified covering the level of springing in handle.

1 2 3 4 5 6 7 8 9 10 11

Key identification requirements – Nine grades focusing on lever type locks.

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