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ARCHITECTURAL SOLUTIONS

BS EN 1125 : 2008

BS EN 1125 : 2008 Panic exit devices operated by a horizontal bar, for use on escape routes

Products tested to British and European standards provide greater durability, longer warranty periods, peace of mind and evidence of professional specification.

BS EN 1125 specifies the requirements for the manufacture, performance and testing of panic exit devices operated by a horizontal push bar or touch bar designed for us in a panic situation on escape routes.

Under the standard each product is tested and classified accordingly to show its compliance. The identification of a 10-digit code is visible on the individual product. Each digit represents a category and how it measured against the standard to which it was tested.

Digit 1 - Category of use
Only one category is identified:

Grade 3: high frequency of use by public and others with little incentive to exercise care.

Digit 2 – Durability
Two categories of durability are defined:

Grade 6: 100 000 cycles

Grade 7: 200 000 cycles

Testing covers the performance under which exit hardware expected to perform, such as:
(a) Inactive door hardware only
(b) Used with Door Seals
(c) Covers additional hardware such as Digital Locks and Deadlocks on Escape Locks
(d) larger than normal door sizes, outside the standard.

Digit 3 – Test door mass
Three categories of test door mass are identified:

Grade 5: up to 100 kg

Grade 6: up to 200 kg

Grade 7: over 200 kg

Digit 4 - Suitability for use on fire/smoke doors
Three categories of fire door resistance are identified:

Grade 0: not approved for use on fire/smoke door assemblies.

Grade A: Suitable for use on smoke door assemblies

Grade B: Suitable for use on fire and smoke door assemblies based on a test in accordance with EN 1634-1

Digit 5 – Safety

Grade 1: all panic devices have a critical safety function therefore only the top grade is identified for this standard.

Digit 6 - Corrosion Resistance
Two grades of corrosion resistance are identified according to EN1670:

Grade 3: High resistance (96 Salt Spray Hours)

Grade 4: Very high resistance. (240 Salt Spray Hours)

Digit 7 – Security
Only one category is identified:

Grade 2: panic devices are primarily for the operation of a door from the inside and the security requirements are secondary to those of safety.

Digit 8 - Projection of Horizontal Bar
Two grades are identified relating to the projection of the device from the door face:

Grade 1: projection up to 150 mm (large projection).

Grade 2: projection up to 100 mm (standard projection).

Digit 9 - Type of Operation
Two categories are identified:

Type A: Panic device with Push Bar operator

Type B: Panic device with Touch Bar operator

Digit 10 - Field of Door Application
Three categories are identified:

Category A: Outward Opening - single door, double door, active or inactive leaf

Category B: Outward Opening - single exit door only

Category C: Outward Opening - double exit door, inactive leaf only

Example

3	7	6	B	1	3	2	2	B	A

The above code signifies a panic exit device tested to 200,000 operations for a door mass of up to 200kg. Suitable for use on fire/smoke door assemblies, with a high corrosion resistance, high security is operated by a low projection B type touch bar for use on outward opening single and double doors; active or inactive leaf.

Safe
Secure
Accessible

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Product Marking:

This standard requires that the following should be visible on the product when fitted:

a: Manufacturer's name or trademark or other means of positive identification.

b: Identification number of the certification body

c: CE mark symbol (details of which are found in the annex of the standard).

Other markings which must be visible before fitting:

d: The number and year of the European standard.

e: The full classification code for the product.

f: The month and year of final assembly by the manufacturer. Note: This information can be in a coded form.

Other markings are listed that must be shown on the Packaging and Installation Instructions, such as Field of Door Application, Category of Projection and Product Number.

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