

BS EN 1125:2008 The standard relating to general safety and escape from buildings has made it desirable that doors at final exits should be fitted with panic devices operated by a horizontal bar. This applies to public buildings, places of entertainment, shops etc. The emphasis for products covered by this standard is on safe exit rather than security.

Digit 5 - Safety

Grade 1: All panic exit devices have a critical safety function.

Digit 6 - Corrosion Resistance

Grade 3: 96 hours (high resistance).
Grade 4: 240 hours (very high resistance).

Digit 1 - Category of Use

Grade 3: high frequency of use where there is little incentive to exercise care, i.e. where there is a chance of an accident occurring and of misuse.

Digit 7 - Security

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

Additional specific tests may be carried out to prove a higher level of security. The panic exit device will be deemed to conform to this European Standard, provided that all of the requirements of this European Standard are met.



Digit 2 - Durability

Grade 6: 100,000 cycles
Grade 7: 200,000 cycles

Digit 8 - Projection of Horizontal Bar

Grade 1: projection of up to 150 mm (large projection).
Grade 2: projection up to 100 mm (standard projection).

Digit 9 - Type of Horizontal Bar Operation

Type A: panic exit device with "push-bar" operation.
Type B: panic exit device with "touch-bar" operation.

Digit 3 - Door Mass

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

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.

Full requirement details can be found in Annex B.

Digit 10 - Field of door application

Category A: single door, double door; active or inactive leaf.

Category B: single door only.

Category C: double door, inactive leaf only.