

EN 179:2008 – Emergency Exit Devices Classification key



The classification reached by the product is shown on the product itself or on the minimum packaging and in the certificate issued by an independent body

Category of use (first digit)

grade 3: for use by the public where there is little incentive to exercise care and where there is a high chance of misuse (e.g. doors in public buildings)

Durability (second digit)

grade 6: 100 000 test cycles 25 N load on latch bolt
grade 7: 200 000 test cycles 25 N load on latch bolt

Door mass and closing force (third digit)

grade 5: up to 100 kg door mass 50 N maximum closing force
grade 6: up to 200 kg door mass 50 N maximum closing force
grade 7: above 200 kg door mass as specified by the manufacturer 50 N maximum closing force

Suitability for use on fire/smoke doors (fourth digit)

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 smoke and fire door assemblies

Safety (fifth digit)

grade 1: all emergency exit devices have a critical safety function

Corrosion resistance and temperature (sixth digit)

grade 3: high corrosion resistance (96h NSS) temperature requirement: from -10 °C to +60 °C
grade 4: very high corrosion resistance (240h NSS) temperature requirement: from -10 °C to +60 °C

Security (seventh digit)

grade 2: 1000 N – force on the leaf in opening direction
grade 3: 2000 N – force on the leaf in opening direction
grade 4: 3000 N – force on the leaf in opening direction
grade 5: 5000 N – force on the leaf in opening direction

Projection of the operating element (eighth digit)

grade 1: projection up to 150 mm (large projection)
grade 2: projection up to 100 mm (standard projection)

Type of operation (ninth digit)

type A: emergency exit device with "lever handle" operation
type B: emergency exit device with "push pad" operation

Field of door application (tenth digit)

category A: outwardly opening single exit door, double exit door: active or inactive leaf
category B: outwardly opening single exit door only
category C: outwardly opening double exit door, inactive leaf only
category D: inwardly single exit door only