

BS 8424:2004

Pull Handles - requirements and test methods

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

This standard specifies the performance requirement and testing methods for door mounted pull handles incorporating one fixing point or more. It incorporates the same classification system used in European Standards for Building Hardware.

Digit 1 - Category of use

Grade 1: Light duty

Grade 2: Medium duty

Grade 3: Heavy duty

Grade 4: Severe duty

Digit 2 - Durability

Grade 2: 5000 test cycle

Digit 3 - Test door mass

No requirement

Digit 4 - Fire resistance

Two categories of fire resistance are identified:

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

Grade 1: Suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the emergency device to the fire resistance of specified fire/smoke door assemblies

Digit 5 - Safety

Grade 1: Safe

Digit 6 - Corrosion resistance

Classification to Clause 4 of BS EN 1670: 1998

Grade 0: No defined corrosion resistance

Grade 1: Low resistance

Grade 2: Moderate resistance

Grade 3: High resistance

Grade 4: Very high resistance