

## **BS EN 1906:2002 Building Hardware – Lever Handles and Knob Furniture**

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

Under the standard each product is tested and classified accordingly to show its compliance.

The identification of an 8-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

1 = light frequency of use with a high incentive to exercise care and a small chance of misuse.

2 = medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse,

3 = high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse.

4 = for use on doors which are subject to frequent violent usage.

Digit 2: Durability

6 = medium use – 100,000 cycles.

7 = high use – 200,000 cycles.

Digit 3: Test door mass

No requirement.

Digit 4: Fire resistance

0 = not approved for fire and smoke doors.

1 = suitable for use on fire and smoke doors.

Digit 5: Safety

0 = normal use.

1 = safety application (to qualify for this grade, handles must have high strength handle-to-plate and handle-to-door fixing and/or handle-to-spindle fixing to withstand a person grabbing the handle in order to prevent falling).

Digit 6: Corrosion resistance

0 = no defined corrosion resistance.

1 = mild resistance (minimum requirement for internal use).

2 = moderate resistance.

3 = high resistance (minimum requirement for external use).

4 = very high resistance.

N.B. Products intended to develop a natural patina (such as brass or bronze) are not required to comply with any requirements).

Digit 7: Security

0 = not approved for use on burglary resistance doors.

1 = mild burglary resistance.

2 = moderate burglary resistance.

3 = high burglary resistance.

4 = extra high burglary resistance.

Digit 8: Type of operation

A = spring assisted furniture.

B = spring loaded furniture.

U = unsprung furniture.

### **Example:**

1 6 - 0 0 1 0 U

The above code signifies a lever handle suitable for use by people with a high incentive to use care and for medium frequency use. It is not approved for fire/smoke doors or where safety is important, and only has a mild resistance to corrosion. It is not suitable for use on burglary resistant doors and is of the unsprung type.

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