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## CERTIFICATE OF APPROVAL

### No CF 5502

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

## CONSORT ARCHITECTURAL HARDWARE LTD

29-31 Lower Loveday Street, Birmingham,  
B19 3SB, United Kingdom  
Tel: 0121 359 8189

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

Consort Stainless Steel Sprung  
Lever Handles

#### TECHNICAL SCHEDULE

TS82 The Contribution of Lever  
Handles and Knob Furniture to  
the Fire Resistance of Door  
Assemblies

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan  
Certification Manager



Issued: 18<sup>th</sup> May 2017  
Revised: 25<sup>th</sup> August 2020  
Valid to: 17<sup>th</sup> May 2022

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### CONSORT ARCHITECTURAL HARDWARE LTD

#### Consort Stainless Steel Sprung Lever Handles

1. This approval relates to the following Consort steel, spring assisted, bolt-through lever handles:

| EN1906 – Grade 4 |       |       |       |       |
|------------------|-------|-------|-------|-------|
| CH100            | CH299 | CH499 | CH599 | CH999 |

| EN1906 – Grade 3 |         |         |        |       |
|------------------|---------|---------|--------|-------|
| CH199            | CH399   | CH599R  | CH699  | CH799 |
| CH899            | CH499SQ | CH899SQ | CH900  | CH901 |
| CH902            | CH906   | CH908   | CH909  | CH910 |
| CH911            | CH912   | CH913   | CH914  | CH917 |
| CH918            | CH919   | CH920   | CH922  | CH924 |
| CH928            | CH929   | CH940   | CH941  | CH950 |
| CH951            | CH951B  | CH952   | CH952B | CH953 |
| CH954            | CH955   | CH956   | CH957  | CH958 |
| CH959            | CH960   |         |        |       |

2. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
3. This approval relates to the use of the family of lever handles/knob furniture with the following door assemblies:

4.

***Latched and unlatched, door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance up to 120 minutes (Codes ITT and ITM).***

***Latched and unlatched door assemblies (intumescent sealed or non-intumescent sealed) consisting of metallic faced and edged leaves in steel frames, having a fire resistance of up to 240 minutes (IMM and MM).***

5. The hardware is approved on the basis of:
- i) Initial type testing to EN 1906 for mechanical properties
  - ii) Fire resistance testing.
  - iii) An appraisal against TS82
  - iv) Ongoing audit testing in accordance with TS82 & TS00 requirements
  - v) Certification of quality management system.
  - vi) Inspection and surveillance of factory production control
6. This approval is applicable only to the specified lever handle and knob furniture when used with door assemblies and the latch/lockset of proven fire resistance (as defined by EN 1634-1 or BS 476: Part 22: 1987). Failure to install the hardware in the appropriate manner will invalidate this certificate of approval.





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7. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.
8. The doors shall be the following minimum thickness:
- i) 44 mm - 30 minutes ITT and ITM
  - ii) 54 mm - 60, 90 and 120 minutes ITT and ITM
  - iii) 45 mm - Up to 240 minutes MM and IMM
9. When fitted to insulated timber or mineral composite door assemblies, the required protection to the mortice lock or latch shall be a minimum of:
- i) For 30 minute ITT applications – 1 mm thick mono ammonium phosphate, or 0.8 mm graphite-based intumescent sheet material to both sides of the lock case to the full height and depth.
  - ii) For 60 minute ITT applications - 2 mm thick mono ammonium phosphate, or 0.8 mm graphite-based intumescent sheet material to both sides of the lock case to the full height and depth.
  - iii) For 90 and 120 minute ITT applications - 2 mm thick mono ammonium phosphate of graphite-based intumescent sheet material to both sides of the lock case to the full height and depth
  - iv) For MM/MM applications – None
- Failure to install the protection will invalidate this certificate*
10. The handles shall only be fitted to 90 and 120 minute ITT and ITM door assemblies which have previously been tested with mortice locks/latches with lever handles were fitted to both sides of the door, without detriment to the doorset's performance.
11. The spindle hole through the door shall be a maximum of 15 mm diameter.
12. Handles shall only be fitted using the bolt-through fixings supplied by the handle manufacturer.



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13. The following table shows the acceptable doorset types and fire resistance periods:

| Class  | Approved Door Type |    |     |     |     |
|--------|--------------------|----|-----|-----|-----|
|        | IMM                | MM | ITT | ITM | ITC |
| FD20   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| FD30   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| FD60   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| FD90   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| FD120  | ✓                  | ✓  | ✓   | ✓   | ✗   |
| FD240  | ✓                  | ✓  | ✗   | ✗   | ✗   |
| E 20   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| EI 20  | ✓                  | ✓  | ✓   | ✓   | ✗   |
| E 30   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| EI 30  | ✓                  | ✓  | ✓   | ✓   | ✗   |
| E 60   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| EI 60  | ✓                  | ✓  | ✓   | ✓   | ✗   |
| E 90   | ✓                  | ✓  | ✓   | ✓   | ✗   |
| EI 90  | ✓                  | ✓  | ✓   | ✓   | ✗   |
| E 120  | ✓                  | ✓  | ✓   | ✓   | ✗   |
| EI 120 | ✓                  | ✓  | ✓   | ✓   | ✗   |
| E 240  | ✓                  | ✓  | ✗   | ✗   | ✗   |
| EI 240 | ✓                  | ✓  | ✗   | ✗   | ✗   |

**Key:**

- ✓ - approved
- ✗ - Not approved



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14. Doors are classified as the following types:

**Type MM** - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

**Type IMM** - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

**Type ITT** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

**Type ITM** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

**Type ITC** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

#### Classification codes

The CH100, CH299, CH499, CH599 & CH999 handles provide the following classification:

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 4 | 7 | - | B | 0 | 4 | 0 | B |
|---|---|---|---|---|---|---|---|

All other handles provide the following classification:

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 3 | 7 | - | B | 0 | 4 | 0 | B |
|---|---|---|---|---|---|---|---|

#### Further Information

Further information regarding the details contained in this data sheet may be obtained Consort Architectural Hardware Ltd (Tel: 0121 359 8189).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).