

**Declaration of Performance**

**ICID – System Chimney**

**GB-014-DOP-13-11-15**

# Declaration of Performance

**No. GB-014-DOP-13-11-15**

1. Unique identification code of the product-type:

 **Multi-wall Metal System Chimney (with 316L Liner)**

 **EN 1856-1**

2 Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

 Manufacturer Identification(s):

 **ICID, Eco ICID, HLX 2000, Anderson Flue**

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| Designation 1 | DN (125 – 300) | **T450** | **N1** | **W** | **V2** | **L50050** | **G60** |
|  |  |  |  |  |  |  |  |
| Designation 2 | DN (125 – 300) | **T450** | **N1** | **D** | **V3** | **L50050** | **G60** |
|  |  |  |  |  |  |  |  |
| Designation 3 | DN (125 – 300) | **T450** | **N1** | **W** | **V2** | **L50050** | **G50** |
|  |  |  |  |  |  |  |  |
| Designation 4 | DN (125 – 300) | **T450** | **N1** | **D** | **V3** | **L50050** | **G50** |
|  |  |  |  |  |  |  |  |
| Designation 5 | DN (125 – 300) | **T200** | **P1** | **W** | **V2** | **L50050** | **O00** |
|  |  |  |  |  |  |  |  |
| Designation 6 | DN (125 – 200) | **T600** | **N1** | **W** | **V2** | **L50050** | **G00** |
|  |  |  |  |  |  |  |  |
| Designation 7 | DN (125 – 200) | **T400** | **N1** | **W** | **V2** | **L50050** | **G00** |

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

 **Convey the products of combustion from heating appliances to the outside atmosphere**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under

 Article 11(5):

 **Schiedel Chimney Systems Ltd**

 **Crowther Estate**

 Washington

 Tyne & Wear

 **NE38 0AQ**

 **UK**

 **Telephone: +44 (0) 191 4161150**

 **Fax: +44 (0) 191 4151263**

 **Email: sales@schiedel.co.uk**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

 **n/a**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

 **System 2+ and System 4**

7. Notified factory production control certification body No. **0036** performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

 **TÜV Industrie Service GmbH TÜV Süd Gruppe**

 **Ridlerstraße 65**

 **D-80339 München**

8. Declared performance

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| **Essential characteristics and clauses to EN 1856-1** | **Performance** | **Harmonized technical specification** |
| Compressive strength  | Designation(s) 1, 2, 3, 4, 5, 6 & 7: npd | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance to fire | Designation(s) 1 & 2:DN (125 – 300) : T450 G60\*Tested fully enclosed in a combustible shaft; floor penetration fully ventilated with ventilated fire-stop plates.Designation(s) 3 & 4: DN (125 – 300) : T450 G50\*Tested fully enclosed in a non-combustible shaft; floor penetration fully insulated with solid fire-stop plates. Designation 5:DN (125 – 300) : T200 O00\*Tested non enclosed; floor penetration fully ventilated with ventilated fire stop plates. \*\* Can also be installed fully enclosed in a non-combustible shaft; floor penetration fully insulated with solid fire-stop plates.Designation 6: (System Chimney using a non-combustible shaft)DN (125 – 200) : T600 G00\*Tested in a 12.5mm non-combustible Promatect-H shaft(60mm distance between outer casing of chimney and inner liner of the shaft); ventilated firestops at the base, ventilated support plates through the 1st floor and ventilated fire-stop plates at the top of the shaft.Designation 7: (System Chimney using a non-combustible shaft)DN (125 – 200) : T400 G00\*Tested in a 12.5mm non-combustible Promafour shaft (60mm distance between outer casing of chimney and inner liner of the shaft); solid firestops at the base, ventilated support plates through the 1st floor and ventilated fire-stop plates at the top of the shaft. |

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| **Essential characteristics and clauses to EN 1856-1** | **Performance** | **Harmonized technical specification** |
| Gas tightness /leakage | Designation(s) 1, 2, 3, 4, 6 & 7:DN (125 – 300) : N1 (Passed)Designation 5:DN (125 – 300) : P1 (Passed) | EN 1856-1: 2009 |
| Flow resistance of chimney sectionsFlow resistance of chimney fittings Flow resistance of terminals | Designation(s) 1, 2, 3, 4, 5, 6 & 7: DN (125 – 300) : 1mmZeta 0.3 according EN 13384-1Zeta 0.5 according EN 13384-1 |
| Thermal resistance | Designation(s) 1, 2, 3, 4, 5, 6 & 7:DN (125 – 300) : 0.37 m2 K/W tested at 200°C |
| Thermal shock resistance Sootfire Resistance: | Designation(s) 1, 2, 3, 4, 6 & 7: DN (125 – 300) : Yes.Designation 5: No as designated O |
| Thermal performance under normal operating conditions: | Designation(s) 1, 2, 3, 4: DN (125 – 300) : T450Designation 5: DN (125 – 300) : T200Designation 6: DN (125 – 200) : T600Designation 7: DN (125 – 200) : T400 |
| Flexural tensile strength (only for means of connection for chimney sections and fittings) | Designation(s) 1, 2, 3, 4, 5, 6 & 7:DN 125 – 27 metresDN 150 – 24 metresDN 180 – 19 metresDN 200 – 18 metres |
| Non vertical installation  | Designation(s) 1, 2, 3, 4 & 5: DN (125 – 300) between supports ≤ 3m at 90° |
| Components subject to wind load | Designation(s) 1, 2, 3, 4 & 5: DN (125 – 300)≤ 2 m above last support≤ 4 m between supports |

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| **Essential characteristics and clauses to EN 1856-1** | **Performance** | **Harmonized technical specification** |
| DurabilityWater and vapour diffusion resistance  | Designation(s) 1, 2, 3, 4, 5, 6 & 7: DN (125 – 300) : Yes | EN 1856-1: 2009 |
| Condensate penetration resistance | Designation(s) 1, 2, 3, 4, 5, 6 & 7: DN (125 – 300) : Yes |
| Against corrosion  | Designation(s) 1, 3, 5, 6 & 7:DN (125 – 300) : V2Designation(s) 2 & 4:DN (125 – 300) : V3 |
| Freeze thaw resistance | Designation(s) 1, 2, 3, 4, 5, 6 & 7:DN (125 – 300) : Yes |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

***Michael Ball: Chief Executive Officer***

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(name and function)



***Washington, 13th Nov 2015***

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 (Place and date of issue) (signature)