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| Declaration of Performance |
| **No. 002/b-DOP-2024-03-25** |

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| 1. | Unique identification code of the product-type: | **Multi-wall Metal System Chimney (with 444 Liner)**  **ICS 50 (inc. painted products)** | | | |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the outside atmosphere** | | | |
| 3. | Product designations: | | Model 1 | DN (80 – 300) | **T600 N1 W V2 L99050 G25** |
|  |  | |  | DN (350 - 450) | **T600 N1 W V2 L99050 G37,5** |
|  |  | |  | DN (500 - 600) | **T600 N1 W V2 L99050 G50** |
|  |  | |  | DN (650 - 1200) | **T600 N1 W V2 L99050 G100** |
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|  |  | | Model 2 | DN (80 – 300) | **T600 N1 D V2 L99050 G25** |
|  |  | |  | DN (350 - 450) | **T600 N1 D V2 L99050 G37,5** |
|  |  | |  | DN (500 - 600) | **T600 N1 D V2 L99050 G50** |
|  |  | |  | DN (650 - 1200) | **T600 N1 D V2 L99050 G100** |
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|  |  | | Model 3 | DN (80 – 300) | **T400 N1 W V2 L99050 G25** |
|  |  | |  | DN (350 - 450) | **T400 N1 W V2 L99050 G37,5** |
|  |  | |  | DN (500 - 600) | **T400 N1 W V2 L99050 G50** |
|  |  | |  | DN (650 - 1200) | **T400 N1 W V2 L99050 G100** |
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|  |  | | Model 4 | DN (80 – 300) | **T400 N1 D V2 L99050 G25** |
|  |  | |  | DN (350 - 450) | **T400 N1 D V2 L99050 G37,5** |
|  |  | |  | DN (500 - 600) | **T400 N1 D V2 L99050 G50** |
|  |  | |  | DN (650 - 1200) | **T400 N1 D V2 L99050 G100** |
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|  |  | | Model 5 | DN (80 - 700) | **T200 P1 W V2 L99050 O00** |
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| 4. | Manufacturer: | **Schiedel s.r.o.,**  **Horoušanská 286,**  **CZ-250 81 Nehvizdy** | | | |
| 5. | Authorized representative: | **N/A** | | | |
| 6. | System(s) of AVCP: | **System 2+** (and System 4 for terminals) | | | |
| 7. | Harmonized standard: | **EN 1856-1:2009** | | | |
|  | Notified body: | **0036** | | | |

8. Declared performance:

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| **Essential characteristics**  **and clauses to EN 1856-1** | **Performance** | **Harmonized technical specification** |
| Compressive strength | Model(s) 1 to 5:  DN (80 – 300): **15 m**  DN (350 - 700): **10 m**  DN (750 - 1200): **NPD** | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance to fire | Model(s) 1, 2:  DN (80 – 300): **T600 G25**  DN (350 - 450): **T600 G37,5**  DN (500 - 600): **T600 G50**  DN (650 - 1200): **T600 G100**  \*Tested fully ventilated  Model(s) 3, 4:  DN (80 – 300): **T400 G25**  DN (350 - 450): **T400 G37,5**  DN (500 - 600): **T400 G50**  DN (650 - 1200): **T400 G100**  \*Tested fully ventilated  Model 5:  DN (80 – 700): **T200 O00**  \*Tested non-enclosed; floor penetration fully insulated with solid fire-stop plates. | EN 1856-1: 2009 |
| Gas tightness /leakage | Model(s) 1, 2, 3, 4:  DN (80 – 1200): **N1**  Model 5:  DN (80 – 700): **P1** | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 5:  DN (80 – 1200) : **1,0 mm** | EN 1856-1: 2009 |
| Flow resistance of chimney fittings  Flow resistance of terminals | **Zeta 0.3** according EN 13384-1  **Zeta 0.5** according EN 13384-1 | EN 13384-1: 2014 |
| Thermal resistance | Model(s) 1 to 5:  DN (80 – 1200): **0.56 m2 K/W** tested at 200°C | EN 1856-1: 2009 |
| Thermal shock resistance |  | EN 1856-1: 2009 |
| Sootfire Resistance: | Model(s) 1, 2, 3, 4:  DN (80 – 1200): **Yes**  Model 5:  DN (80 – 700): **No** |
| Thermal performance under normal operating conditions: | Model(s) 1, 2:  DN (80 – 1200): **T600**  Model(s) 3, 4:  DN (80 – 1200): **T400**  Model 5:  DN (80 – 700): **T200** |

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| **Essential characteristics**  **and clauses to EN 1856-1** | **Performance** | **Harmonized technical specification** |
| Flexural tensile strength  (only for means of connection for chimney sections and fittings) | Model(s) 1 to 5:  DN 80 = **33 m**  DN 300 = **12 m**  DN 700 = **3 m**  DN 1200 = **NPD** | EN 1856-1: 2009 |
| Non-vertical installation | Model(s) 1 to 5:  DN (80 – 500): between supports **≤ 3 m at 90°**  DN (550 - 700): between supports **≤ 4 m at 90°**  DN (750 - 1200): **NPD** | EN 1856-1: 2009 |
| Components subject to wind load | Model(s) 1 to 5:  DN (80 – 400): **≤ 3 m** above last support  **≤ 4 m** between supports  DN (450 - 700): **≤ 2 m** above last support  **≤ 3 m** between supports  DN (750 - 1200): **NPD** | EN 1856-1: 2009 |
| Durability |  | EN 1856-1: 2009 |
| Water and vapour diffusion resistance | Model(s) 1, 3, 5:  DN (80 – 1200): **Yes**  Model(s) 2 & 4:  DN (80 – 1200) : **No** |
| Condensate penetration resistance | Model(s) 1, 3, 5:  DN (80 – 1200): **Yes**  Model(s) 2, 4:  DN (80 – 1200) : **No** |
| Durability against corrosion | Model(s) 1 to 5:  DN (80 – 1200): **V2** |
| Freeze-thaw resistance | Model(s) 1 to 5:  DN (80 – 1200): **Yes** |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Teplice, 25.03.2024 Ivana Černa,

Plant manager