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| Declaration of Performance |
| **No. 001/d-DOP-2024-03-25** |

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| 1. | Unique identification code of the product-type: | **Multi-wall Metal System Chimney (with 304 Liner)****ICS 25** |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the outside atmosphere** |
| 3. | Product designations: | Moddel 1 | DN (80 – 300) | **T450 N1 D Vm L20050 G60** |
|  |  |  | DN (350 - 450) | **T450 N1 D Vm L20050 G90** |
|  |  |  | DN (500 - 600) | **T450 N1 D Vm L20050 G120** |
|  |  |  | DN (650 - 900) | **T450 N1 D Vm L20050 G240** |
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|  |  | Model 2 | DN (80 – 300) | **T450 N1 D Vm L20050 G50** |
|  |  |  | DN (350 - 450) | **T450 N1 D Vm L20050 G75** |
|  |  |  | DN (500 - 600) | **T450 N1 D Vm L20050 G100** |
|  |  |  | DN (650 - 900) | **T450 N1 D Vm L20050 G200** |
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|  |  | model 3 | DN (80 - 300) | **T600 N1 D Vm L20050 G75** |
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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** | **Performance** | **Harmonized technical specification** |
| Compressive strength  | Model(s) 1 to 3: DN (80 – 130): **22 m**DN (150 - 180): **18 m**DN (200 - 300): **18 m**DN (350 - 450): **12 m**DN (500 - 550): **12 m**DN (600 - 700): **10 m**DN (750 – 900): **NPD** | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance to fire | Model(s) 1:DN (80 – 300): **T450 G60**DN (350 - 450): **T450 G90**DN (500 - 600): **T450 G120** DN (650 - 900): **T450 G240**\*Tested fully enclosed in a combustible shaft; floor penetration fully ventilated with ventilated fire-stop plates. Model(s) 2:DN (80 – 300): **T450 G50**DN (350 - 450): **T450** **G75**DN (500 - 600): **T450** **G100**DN (650 - 900): **T450** **G200**\*Tested fully ventilated\*\*Tested fully enclosed in a non-combustible shaft; floor penetration fully insulated with solid fire-stop plates. Model 3:DN (80 – 300): **T600** **G75**\*Tested fully ventilated | EN 1856-1: 2009 |
| Gas tightness /leakage | Model(s) 1 to 3:DN (80 – 900): **N1**  | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 3:DN (80 – 900): **1,0 mm** | EN 1856-1: 2009 |
| Flow resistance of chimney fittings Flow resistance of terminals | Zeta = **0.3** according EN 13384-1Zeta = **0.5** according EN 13384-1 | EN 13384-1: 2014 |
| Thermal resistance | Model(s) 1 to 3:DN (80 – 900): **0.37 m2 K/W** tested at 200°C | EN 1856-1: 2009 |
| Thermal shock resistance  |  | EN 1856-1: 2009 |
| Sootfire Resistance: | Model(s) 1 to 3:DN (80 – 900): **Yes** |
| Thermal performance under normal operating conditions: | Model(s) 1 & 2: DN (80 – 900): **T450**Model 3:DN (80 – 300): **T600** | EN 1856-1: 2009 |
| Flexural tensile strength (only for means of connection for chimney sections and fittings) | Model(s) 1 to 3:DN 80 = **48 m**DN 200 = **21 m**DN 300 = **15** mDN 700 = **6** mDN 900 = **NPD** | EN 1856-1: 2009 |

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| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Non-vertical installation  | Model(s) 1 to 3:DN (80 – 500): between supports **≤ 3 m at 90°**DN (550 - 700): between supports **≤ 4 m at 90°**DN (750 - 900):  **NPD**  | EN 1856-1: 2009 |
| Components subject to wind load | Model(s) 1 to 3:DN (80 – 400): **≤ 3 m** above last support **≤ 4 m** between supportsDN (450 - 900): **≤ 2 m** above last support **≤ 3 m** between supports | EN 1856-1: 2009 |
| Durability |  | EN 1856-1: 2009 |
| Water and vapour diffusion resistance  | Model(s) 1 to 3:DN (80 – 900): **No** |
| Condensate penetration resistance | Model(s) 1 to 3:DN (80 – 900): **No** |
| Durability against corrosion  | Model(s) 1 to 3:DN (80 – 900): **Vm** |
| Freeze-thaw resistance | Model(s) 1 to 3:DN (80 – 900): **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