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| Declaration of Performance |
| **No. 005/b-DOP-20124-03-25** |

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| 1. | Unique identification code of the product-type: | **Multi-wall Metal System Chimney (with 444 Liner)****PERMETER 50**  |
| 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 - 700) | **T600 – N1 – W – V2 – L99050 – G100** |
|  |  |  |  |  |
|  |  | Model 2 | 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 - 700) | **T400 – N1 – W – V2 – L99050 – G100** |
|  |  |  |  |  |
|  |  | Model 3 | 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**  | **Performance** | **Harmonized tech-nical specification** |
| Compressive strength  | Model(s) 1 to 3: DN (80 – 300): **15 m**DN (350 - 700): **10 m** | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance to fire | Model 1:DN (80 – 300): **T600 G25**DN (350 - 450): **T600 G37,5**DN (500 - 600): **T600 G50**DN (650 - 700): **T600 G100**Model 2: DN (80 – 300): **T400 G25**DN (350 - 450): **T400 G37,5**DN (500 - 600): **T400 G50**DN (650 - 700): **T400 G100**Model 3: 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:DN (80 – 700): **N1**Model 3:DN (80 – 700): **P1** | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 3: DN (80 – 700) : **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 3:DN (80 – 700): **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 to 3:DN (80 – 700): **Yes** |
| Thermal performance under normal operating conditions: | Model 1: DN (80 – 700): **T600**Model 2: DN (80 – 700): **T400**Model 3: DN (80 – 700): **T200** | EN 1856-1: 2009 |

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| **Essential characteristics** | **Performance** | **Harmonized tech-nical specification** |
| Flexural tensile strength (only for means of connection for chimney sections and fittings) | Model(s) 1 to 3:DN 80 = **33 m**DN 300 = **12 m**DN 700 = **3 m** | EN 1856-1: 2009 |
| 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°** | 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 - 700): **≤ 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 – 700): **Yes** |
| Condensate penetration resistance | Model(s) 1 to 3:DN (80 – 700): **Yes** |
| Durability against corrosion | Model(s) 1 to 3:DN (80 – 700): **V2** |
| Freeze-thaw resistance | Model(s) 1 to 3:DN (80 – 700): **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