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| Declaration of Performance |
| **No. 116-DOP-2024-03-25** |

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| 1. | Unique identification code of the product-type: | **Multi-wall Metal System Chimney according to EN 1856-1:2009****US** |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the outside atmosphere** |
| 3. | Product designations: | Designation 1 | DN (100 – 150) | **T450 N1 D Vm L20040 O50** |
|  |  |  |  |  |
|  |  | Designation 2 | DN (100 – 150) | **T600 N1 D Vm L20040 O50** |
|  |  |  |  |  |
| 4. | Manufacturer: | **Schiedel Sp. z o.o.** **Ul. Wschodnia 24** **45-449 Opole****Poland** |
| 5. | Authorized representative: | **N/A** |
| 6. | System(s) of AVCP: | **System 2+ and System 4** |
| 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  | Designation(s) 1 & 2:DN (100 – 150): **30 m** | EN 1856-1:2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance & fire | Designation(s) 1 & 2:DN (100 – 150): **O50**Tested without cover at full length for ventilated system | EN 1856-1:2009 |
| Gas tightness /leakage | Designation(s) 1 & 2: DN (100 – 150): **N1** | EN 1856-1:2009 |
| Flow resistance of chimney sectionsFlow resistance of chimney fittings Flow resistance of terminals | Designation(s) 1 & 2: DN (100 – 150): **1,0 mm****Zeta 0.3** according EN 13384-1**Zeta 0.5** according EN 13384-1 | EN 1856-1:2009EN 13384-1:2014 |

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| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Thermal resistance | Designation(s) 1 & 2: DN (100-150): **npd** | EN 1856-1:2009 |
| Thermal shock resistance  |  | EN 1856-1:2009 |
| Sootfire Resistance: | Designation(s) 1 & 2:DN (100-150): **No** |
| Thermal performance under normal operating conditions: | Designation 1: DN (100-150): **T450**Designation 2: DN (100-150): **T600** | EN 1856-1:2009 |
| Flexural tensile strength (only for means of connection for chimney sections and fittings) | Designation(s) 1 & 2:DN (100-150): **up to 10m** | EN 1856-1:2009 |
| Non vertical installation  | Designation(s) 1 & 2:DN (100-150): ≤ 3 m between supports when routed at a 90° angle  | EN 1856-1:2009 |
| Components subjected to the wind load | Designation(s) 1 & 2:DN (100-150): **≤ 3 m** above last support **≤ 4 m** between supports | EN 1856-1:2009 |
| Durability |  | 2009 EN 1856-1 |
| Water and vapour diffusion resistance  | Designation(s) 1 & 2:DN (100-150): **No** |
| Condensate penetration resistance | Designation(s) 1 & 2:DN (100-150): **Yes** |
| Durability against corrosion | Designation(s) 1 & 2:DN (100-150) : **Vm** |
| Freeze-thaw resistance | Designation(s) 1 & 2:DN (100-150) : **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:

Opole, 25.03.2024 Krystian Kula

 CEO Poland