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| Declaration of Performance |
| **No. 034/a-DOP-2024-03-25** |

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| 1. | Unique identification code of the product-type: | **Multi-wall Metal System Chimney (with 316L Liner)****PERMETER SMOOTH AIR** |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the outside atmosphere** |
| 3. | Product designations: | Model 1 | DN (120 – 200) | **T400 N1 D V3 L50050 G75** |
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|  |  | Model 2 | DN (120 – 200) | **T450 N1 D V3 L50050 G75** |
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|  |  | Model 3 | DN (120 – 200) | **T600 N1 D V3 L50050 G75** |
|  |  |  |  |  |
|  |  | Model 4\* | DN (120 – 200) | **T400 N1 D V3 L50050 G50** |
|  |  |  |  |  |
|  |  | Model 5\* | DN (120 – 200) | **T450 N1 D V3 L50050 G50** |
|  |  |  |  |  |
|  |  | Model 6\* | DN (120 – 200) | **T600 N1 D V3 L50050 G50** |
|  |  |  |  |  |
|  |  | Model 7\* | DN (150) | **T600 N1 D V3 L50050 G75** |
|  |  | \*with double insulation |
| 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 Chimney sections, fittings and supports | Model(s) 1 to 7: DN (120): **22 m**DN (150 - 200): **18 m** | EN 1856-1: 2009 |
|  | For further information see installation instructions |
| Resistance to fire | Model 1:DN (120 – 200): **T400** **G75**\*Tested ventilated with closed and insulated floor trespass, height ≤600 mm.Model 2:DN (120 – 200): **T450 G75**\*Tested ventilated with closed and insulated floor trespass, height ≤600 mm.Model 3:DN (120 – 200): **T600 G75**\*Tested fully ventilated. Model 4:DN (120 – 200): **T400 G50**\*Tested ventilated with closed and insulated floor trespass, height ≤600 mm.Model 5:DN (120 – 200): **T450** **G50**\*Tested ventilated with closed and insulated floor trespass, height ≤600 mm.Model 6:DN (120 – 200): **T600 G50**\*Tested ventilated with closed and insulated floor trespass, height ≤600 mm.Model 7:DN (150): **T600 G75**\*Tested with closed and insulated floor trespass in height ≤600 mm. | EN 1856-1: 2009 |
| Gas tightness /leakage | Model(s) 1 to 7:DN (120 – 200): **N1**  | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 7:DN (120 – 200): **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: 2015 |
| Thermal resistance | Model(s) 1, 2 & 3:DN (120 – 200): **0.37 m2K/W** tested at 200°CModel(s) 4, 5, 6 & 7:DN (120 – 200): **0.54 m2K/W** tested at 200°C | EN 1856-1: 2009 |

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| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Thermal shock resistance  |  | EN 1856-1: 2009 |
| Sootfire resistance: | Model(s) 1 to 7:DN (120 – 200): **Yes** |
| Thermal performance under normal operating conditions: | Model(s) 1 & 4: DN (120 – 200): **T400**Model(s) 2 & 5: DN (120 – 200): **T450**Model(s) 3, 6 & 7: DN (120 – 200): **T600** | EN 1856-1: 2009 |
| Flexural tensile strength (only for means of connection for chimney sections and fittings) | Model(s) 1 to 7:DN (120 – 200): **NPD** | EN 1856-1: 2009 |
| Non-vertical installation  | Model(s) 1 to 7:DN (120 – 200): **NPD** | EN 1856-1: 2009 |
| Components subject to wind load | Model(s) 1 to 7:DN (120 – 200): **NPD** | EN 1856-1: 2009 |
| Durability |  | EN 1856-1: 2009 |
| Water and vapour diffusion resistance  | Model(s) 1 to 7:DN (120 – 200): **No** |
| Condensate penetration resistance | Model(s) 1 to 7:DN (120 – 200): **No** |
| Durability against corrosion | Model(s) 1 to 7:DN (120 – 200): **V3** |
| Freeze-thaw resistance | Model(s) 1 to 7:DN (120 – 200): **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