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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** |
|  |  |  | |  |  |
|  |  | Model 2 | | DN (120 – 200) | **T450 N1 D V3 L50050 G75** |
|  |  |  | |  |  |
|  |  | 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 13384-1  Zeta **= 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°C  Model(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