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| **Declaration of Performance** |
| **No. 108-DOP-2024-03-25** |

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| 1. | Unique identification code of the product type: | **Single wall system chimney**  **ME** | | |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the outside atmosphere** | | |
| 3. | Product designations: | Model 1 | DN (80 – 200) | **T200 P1 W V2 L50040 O30** |
|  |  |  | DN (250 – 300) | **T200 P1 W V2 L50050 O30** |
|  |  |  | DN (350 – 450) | **T200 P1 W V2 L50060 O45** |
|  |  |  | DN (500 – 600) | **T200 P1 W V2 L50060 O60** |
|  |  |  | DN (700) | **T200 P1 W V2 L50060 O120** |
|  |  |  | DN (800 – 1000) | **T200 P1 W V2 L50080 O120** |
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|  |  | Model 2 | DN (80 – 200) | **T200 H1 W V2 L50040 O30** |
|  |  |  | DN (250 – 300) | **T200 H1 W V2 L50050 O30** |
|  |  |  | DN (350 – 450) | **T200 H1 W V2 L50060 O45** |
|  |  |  | DN (500 – 600) | **T200 H1 W V2 L50060 O60** |
|  |  |  | DN (700) | **T200 H1 W V2 L50060 O120** |
|  |  |  | DN (800 – 1000) | **T200 H1 W V2 L50080 O120** |
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|  |  | Model 3 | DN (80 – 200) | **T400 N1 W V2 L50040 O70** |
|  |  |  | DN (250 – 300) | **T400 N1 W V2 L50050 O70** |
|  |  |  | DN (350 – 450) | **T400 N1 W V2 L50060 O105** |
|  |  |  | DN (500 – 600) | **T400 N1 W V2 L50060 O140** |
|  |  |  | DN (700) | **T400 N1 W V2 L50060 O280** |
|  |  |  | DN (800 – 1000) | **T400 N1 W V2 L50080 O280** |
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|  |  | Model 4 | DN (80 – 200) | **T600 N1 D V2 L50040 G400** |
|  |  |  | DN (250 – 300) | **T600 N1 D V2 L50050 G400** |
|  |  |  | DN (350 – 450) | **T600 N1 D V2 L50060 G600** |
|  |  |  | DN (500 – 600) | **T600 N1 D V2 L50060 O800** |
|  |  |  | DN (700) | **T600 N1 D V2 L50060 O1600** |
|  |  |  | DN (800 – 1000) | **T600 N1 D V2 L50080 O1600** |
|  |  |  | | |
| 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 | Model(s) 1 to 4:  DN (80 – 300): **up to 30 m**  DN (350 – 450): **up to 15 m**  DN (500 – 600): **up to 12 m**  DN (700 – 1000): **up to 9 m** | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance to fire | Model(s) 1 & 2:  DN (80 – 300): **T200 O30**  DN (350 – 450): **T200 O45**  DN (500 – 600): **T200 O60**  DN (700 - 1000): **T200 O120**  Model 3:  DN (80 – 300): **T400 O70**  DN (350 – 450): **T400 O105**  DN (500 – 600): **T400 O140**  DN (700 - 1000): **T400 O280**  \*Tested without enclosure, with back-ventilated ceiling duct.  Model 4:  DN (80 – 300): **T600 G400**  DN (350 – 450): **T600 G600**  DN (500 – 600): **T600 G800**  DN (700 - 1000): **T600 G1600**  \*Tested fully ventilted | EN 1856-1: 2009 |
| Gas tightness /leakage | Model 1:  DN (80 – 1000): **P1**  Model 2:  DN (80 – 1000): **H1**  Models 3 & 4:  DN (80 – 1000): **N1** | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 4:  DN (80 – 1000): **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, 2 & 4:  DN (80 – 1000): **0,00 m2 K/W**  Model 3:  DN (80 – 1000): **0,51 m2 K/W**  *when used with a 25 mm 120 kg/m3 insulating jacket* | 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 3:  DN (80 – 1000): **No**  Model(s) 4:  DN (80 – 1000): **Yes** |
| Thermal performance under normal operating conditions: | Model (s) 1 & 2:  DN (80 – 1000): **T200**  Model 3:  DN (80 – 1000): **T400**  Model 4:  DN (80 – 1000): **T600** | EN 1856-1: 2009 |
| Thermal performance under normal operating conditions: | Model (s) 1 & 2:  DN (80 – 1000): **T200**  Model 3:  DN (80 – 1000): **T400**  Model 4:  DN (80 – 1000): **T600** | EN 1856-1: 2009 |
| Flexural tensile strength (only for means of connection for chimney sections and fittings) | Model (s) 1 to 4:  **NPD** | EN 1856-1: 2009 |
| Non-vertical installation | Model (s) 1 to 4:  **NPD** | EN 1856-1: 2009 |
| Components subjected to the wind load | Model (s) 1 to 4:  **NPD** | EN 1856-1: 2009 |
| Durability |  | EN 1856-1: 2009 |
| Water and vapour diffusion resistance | Model (s) 1 to 4:  DN (80 – 1000): **Yes** |
| Condensate penetration resistance | Model (s) 1 to 4:  DN (80 – 1000): **Yes** |
| Durability against corrosion | Model (s) 1 to 4:  DN (80 – 1000): **V2** |
| Freeze-thaw resistance | Model (s) 1 to 4:  DN (80 – 1000): **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