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| **Declaration of Performance** |
| **No. 110-DOP-2024-03-25** |

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| 1. | Unique identification code of the product type: | **Double wall system chimney****MF** |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the outside atmosphere** |
| 3. | Product designations: |  |  |  |

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| Model 1\* | DN (100 – 250) | **T200 P1 W V2 L50040 O10** |  | Model 2\* | DN (100 – 250) | **T200 H1 W V2 L50040 O10** |
|  | DN (300) | **T200 P1 W V2 L50050 O10** |  |  | DN (300) | **T200 H1 W V2 L50050 O10** |
|  | DN (350 – 400) | **T200 P1 W V2 L50050 O15** |  |  | DN (350 – 400) | **T200 H1 W V2 L50050 O15** |
|  | DN (450) | **T200 P1 W V2 L50060 O15** |  |  | DN (450) | **T200 H1 W V2 L50060 O15** |
|  | DN (500 – 600) | **T200 P1 W V2 L50060 O20** |  |  | DN (500 – 600) | **T200 H1 W V2 L50060 O20** |
|  | DN (700 | **T200 P1 W V2 L50060 O40** |  |  | DN (700 | **T200 H1 W V2 L50060 O40** |
|  | DN (800 – 1000) | **T200 P1 W V2 L50080 O40** |  |  | DN (800 – 1000) | **T200 H1 W V2 L50080 O40** |
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| Model 3\* | DN (100 – 250) | **T450 N1 W V2 L50040 O40** |  | Model 4\* | DN (100 – 250) | **T450 N1 D V3 L50040 G50** |
|  | DN (300) | **T450 N1 W V2 L50050 O40** |  |  | DN (300) | **T450 N1 D V3 L50050 G50** |
|  | DN (350 – 400) | **T450 N1 W V2 L50050 O60** |  |  | DN (350 – 400) | **T450 N1 D V3 L50050 G75** |
|  | DN (450) | **T450 N1 W V2 L50060 O60** |  |  | DN (450) | **T450 N1 D V3 L50060 G75** |
|  | DN (500 – 600) | **T450 N1 W V2 L50060 O80** |  |  | DN (500 – 600) | **T450 N1 D V3 L50060 G100** |
|  | DN (700 | **T450 N1 W V2 L50060 O160** |  |  | DN (700 | **T450 N1 D V3 L50060 G200** |
|  | DN (800 – 1000) | **T450 N1 W V2 L50080 O160** |  |  | DN (800 – 1000) | **T450 N1 D V3 L50080 G200** |
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| Model 5\* | DN (100 – 250) | **T600 N1 D V3 L50040 G70** |  | Model 6\*\* | DN (100 – 250) | **T450 N1 D V3 L50040 G60** |
|  | DN (300) | **T600 N1 D V3 L50050 G70** |  |  | DN (300) | **T450 N1 D V3 L50050 G60** |
|  | DN (350 – 400) | **T600 N1 D V3 L50050 G105** |  |  | DN (350 – 400) | **T450 N1 D V3 L50050 G90** |
|  | DN (450) | **T600 N1 D V3 L50060 G105** |  |  | DN (450) | **T450 N1 D V3 L50060 G90** |
|  | DN (500 – 600) | **T600 N1 D V3 L50060 G140** |  |  | DN (500 – 600) | **T450 N1 D V3 L50060 G120** |
|  | DN (700 | **T600 N1 D V3 L50060 G280** |  |  | DN (700 | **T450 N1 D V3 L50060 G240** |
|  | DN (800 – 1000) | **T600 N1 D V3 L50080 G280** |  |  | DN (800 – 1000) | **T450 N1 D V3 L50080 G240** |
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| Model 7\*\*\* | DN (80 – 200) | **T400 N1 W V2 L50040 G00** |  | Model 8\*\*\* | DN (80 – 200) | **T600 N1 W V2 L50040 G00** |
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|  |  | \* fully ventilation\*\* In combustible shaft with ventilated fire stops\*\*\* additional non-combustible outer wall with fire resistance |
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| 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 6: DN (100-300): **up to 30m**DN (350-450): **up to 15m** DN (500-600): **up to 12m**DN (700-1000): **up to 9m** | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions |
| Resistance to fire | Model(s) 1 & 2:DN (100-300): **O10**DN (350-450): **O15** DN (500-600): **O20** DN (700-1000):**O40** Tested fully ventilated Model 3:DN (100-300): **O40**DN (350-450): **O60** DN (500-600): **O80** DN (700-1000):**O160**Tested fully ventilated Model 4:DN (100-300): **G50**DN (350-450): **G75** DN (500-600): **G100** DN (700-1000):**G200**  Tested fully ventilatedModel 5:DN (100-300): **G70**DN (350-450): **G105** DN (500-600): **G140** DN (700-1000): **G280** Tested fully ventilatedModel 6:DN (100-300): **G70**DN (350-450): **G105** DN (500-600): **G140** DN (700-1000): **G280** Tested in combustible shaft with ventilated fire stopsModel 7 & 8:DN (80-200): **G00**Tested in a non-combustible 12.5 mm thick shaft of the Promafor system, a Distance of 60 mm between the outer casing of the chimney and the inner lining of the shaft/casing; fire barriers at the bottom, ventilated support plates through the first floor and ventilated fire plates at the top of the shaft. | EN 1856-1: 2009 |

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| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Gas tightness /leakage | Model 1:DN (100 – 1000): **P1**Model 2:DN (100 – 1000): **H1**Models 3 to 6:DN (100 – 1000): **N1**Models 7 & 8:DN (80 – 200): **N1** | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 6:DN (100 – 1000): **1,0 mm**Model(s) 7 & 8:DN (100 – 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 to 6:DN (100 – 1000): **0,51 m2 K/W tested at 200°C**Model 7 & 8:DN (80 – 200): **0,51 m2 K/W tested at 200°C** | EN 1856-1: 2009 |
| Thermal shock resistance | Model(s) 1 to 3: DN (100 – 1000): **No**Model(s) 4 to 6: DN (80 – 1000): **Yes**Model(s) 7 to 8: DN (80 – 1000): **Yes** | EN 1856-1: 2009 |
| Sootfire Resistance |
| Thermal performance under normal operating conditions: | Model(s) 1 & 2: DN (100 – 1000): **T200**Model(s) 3 & 4 &6::DN (80 – 1000): **T450**Model 5:DN (100 – 1000): **T600**Model 7:DN (80 – 200): **T400**Model 8:DN (80 – 200): **T600** | EN 1856-1: 2009 |

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| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Flexural tensile strength (only for means of connection for chimney sections and fittings) | Model(s) 1 to 6: DN (100-300): **do 10m**DN (350-450): **do 10m** DN (500-600): **do 10m**DN (700-1000): **NPD** Model(s) 7 & 8:DN (80-200): **NPD** | EN 1856-1: 2009 |
| Non-vertical installation  | Model(s) 1 to 6:DN (100-150): **≤ 3 m between supports at 90°**Model(s) 7 & 8:DN (80 – 200): **NPD** | EN 1856-1: 2009 |
| Components subjected to the wind load | Model(s) 1 to 6:DN (100-600): **≤ 3 m** above the last support **≤ 4 m** between supportsDN (700-1000): **≤ 1,5 m** above the last support **≤ 4 m** between supportsModel(s) 7 & 8: **NPD** | EN 1856-1: 2009 |
| Durability |  | EN 1856-1: 2009 |
| Water and vapour diffusion resistance  | Model(s) 1 to 6: DN (100 – 1000): **Yes** Model(s) 7 & 8: DN (80 – 200): **Yes**  |
| Condensate penetration resistance | Model(s) 1 to 3: DN (100 – 1000): **Yes**Model(s) 4 to 6: DN (100 – 1000): **No** Model(s) 7 & 8: DN (80 – 200): **Yes**  |
| Durability against corrosion  | Model(s) 1 to 3: DN (100 – 1000): **V2**Model(s) 4 to 6: DN (100 – 1000): **V3** Model(s) 7 & 8: DN (80 – 200): **V2**  |
| Freeze-thaw resistance | Model(s) 1 to 6: DN (100 – 1000): **Yes** Model(s) 7 & 8: DN (80 – 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:

Opole, 25.03.2024 Krystian Kula

 CEO Poland