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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 ventilated  Model 5:  DN (100-300): **G70**  DN (350-450): **G105**  DN (500-600): **G140**  DN (700-1000): **G280**  Tested fully ventilated  Model 6:  DN (100-300): **G70**  DN (350-450): **G105**  DN (500-600): **G140**  DN (700-1000): **G280**  Tested in combustible shaft with ventilated fire stops  Model 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 supports  DN (700-1000): **≤ 1,5 m** above the last support  **≤ 4 m** between supports  Model(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