

Declaration of Performance

No. 110-DOP-2024-03-25

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:

Model 1*	DN (100 – 250) DN (300) DN (350 – 400) DN (450) DN (500 – 600) DN (700) DN (800 – 1000)	T200 P1 W V2 L50040 O10 T200 P1 W V2 L50050 O10 T200 P1 W V2 L50050 O15 T200 P1 W V2 L50060 O15 T200 P1 W V2 L50060 O20 T200 P1 W V2 L50060 O40 T200 P1 W V2 L50080 O40	Model 2*	DN (100 – 250) DN (300) DN (350 – 400) DN (450) DN (500 – 600) DN (700) DN (800 – 1000)	T200 H1 W V2 L50040 O10 T200 H1 W V2 L50050 O10 T200 H1 W V2 L50050 O15 T200 H1 W V2 L50060 O15 T200 H1 W V2 L50060 O20 T200 H1 W V2 L50060 O40 T200 H1 W V2 L50080 O40
Model 3*	DN (100 – 250) DN (300) DN (350 – 400) DN (450) DN (500 – 600) DN (700) DN (800 – 1000)	T450 N1 W V2 L50040 O40 T450 N1 W V2 L50050 O40 T450 N1 W V2 L50050 O60 T450 N1 W V2 L50060 O60 T450 N1 W V2 L50060 O80 T450 N1 W V2 L50060 O160 T450 N1 W V2 L50080 O160	Model 4*	DN (100 – 250) DN (300) DN (350 – 400) DN (450) DN (500 – 600) DN (700) DN (800 – 1000)	T450 N1 D V3 L50040 G50 T450 N1 D V3 L50050 G50 T450 N1 D V3 L50050 G75 T450 N1 D V3 L50060 G75 T450 N1 D V3 L50060 G100 T450 N1 D V3 L50060 G200 T450 N1 D V3 L50080 G200
Model 5*	DN (100 – 250) DN (300) DN (350 – 400) DN (450) DN (500 – 600) DN (700) DN (800 – 1000)	T600 N1 D V3 L50040 G70 T600 N1 D V3 L50050 G70 T600 N1 D V3 L50050 G105 T600 N1 D V3 L50060 G105 T600 N1 D V3 L50060 G140 T600 N1 D V3 L50060 G280 T600 N1 D V3 L50080 G280	Model 6**	DN (100 – 250) DN (300) DN (350 – 400) DN (450) DN (500 – 600) DN (700) DN (800 – 1000)	T450 N1 D V3 L50040 G60 T450 N1 D V3 L50050 G60 T450 N1 D V3 L50050 G90 T450 N1 D V3 L50060 G90 T450 N1 D V3 L50060 G120 T450 N1 D V3 L50060 G240 T450 N1 D V3 L50080 G240
Model 7***	DN (80 – 200)	T400 N1 W V2 L50040 G00	Model 8***	DN (80 – 200)	T600 N1 W V2 L50040 G00
- * fully ventilated
** In combustible shaft with ventilated fire stops
*** additional non-combustible outer wall with fire resistance
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:

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): G60 DN (350-450): G90 DN (500-600): G120 DN (700-1000): G240 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

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 (100 – 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	Zeta 0.3 according EN 13384-1	EN 13384-1:2014
Flow resistance of terminals	Zeta 0.5 according EN 13384-1	
Thermal resistance	Model(s) 1 to 6: DN (100 – 1000): 0,51 m² K/W tested at 200°C Model 7 & 8: DN (100 – 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 (100 – 1000): Yes Model(s) 7 to 8: DN (100 – 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 (100 – 1000): T450 Model 5: DN (100 – 1000): T600 Model 7: DN (100 – 200): T400 Model 8: DN (100 – 200): T600	EN 1856-1: 2009

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 (100-200): 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 (100 – 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 Water and vapour diffusion resistance Condensate penetration resistance Durability against corrosion Freeze-thaw resistance	Model(s) 1 to 6: DN (100 – 1000): Yes Model(s) 7 & 8: DN (100 – 200): Yes Model(s) 1 to 3: DN (100 – 1000): Yes Model(s) 4 to 6: DN (100 – 1000): No Model(s) 7 & 8: DN (100 – 200): Yes Model(s) 1 to 3: DN (100 – 1000): V2 Model(s) 4 to 6: DN (100 – 1000): V3 Model(s) 7 & 8: DN (100 – 200): V2 Model(s) 1 to 6: DN (100 – 1000): Yes Model(s) 7 & 8: DN (100 – 200): Yes	EN 1856-1: 2009

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