

Declaration of Performance

No. 018/a-DOP-2024-03-25

1. Unique identification code of the product type: **Single wall system chimney**
- PRIMA PLUS**
2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**
3. Product designations:
- | | | |
|----------|-----------------|-----------------------------------|
| Model 1 | DN (80 – 300) | T200 H1 W V2 L50060 O200 |
| Model 2 | DN (80 – 300) | T200 P1 W V2 L50060 O200 |
| | DN (350 – 450) | T200 P1 W V2 L50060 O300 |
| | DN (500 – 600) | T200 P1 W V2 L50060 O400 |
| | DN (600 – 1000) | T200 P1 W V2 L50060 O800 |
| Model 3 | DN (80 – 300) | T450 N1 W V2 L50060 G50 |
| | DN (350 – 450) | T450 N1 W V2 L50060 G75 |
| | DN (500 – 600) | T450 N1 W V2 L50060 G100 |
| | DN (600 – 1000) | T450 N1 W V2 L50060 G200 |
| Model 4 | DN (80 – 300) | T450 N1 D V3 L50060 G75 |
| | DN (350 – 450) | T450 N1 D V3 L50060 G112,5 |
| | DN (500 – 600) | T450 N1 D V3 L50060 G150 |
| | DN (600 – 1000) | T450 N1 D V3 L50060 G300 |
| Model 5* | DN (80 – 300) | T450 N1 D V2 L99060 G75 |
| | DN (350 – 450) | T450 N1 D V2 L99060 G112,5 |
| | DN (500 – 600) | T450 N1 D V2 L99060 G150 |
| | DN (600 – 1000) | T450 N1 D V2 L99060 G300 |
- *L99 material = 1.4521 (444)
4. Manufacturer: **Schiedel s.r.o.,
Horoušanská 286,
CZ-250 81 Nehvizdy**
5. Authorized representative: **Schiedel B.V.
Oudeveerseweg 23
4332 SH Middelburg NL**
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 Chimney sections, fittings and supports	Model(s) 1 to 5: DN (80 – 1000): NPD For further information see installation instructions	EN 1856-1: 2009
Resistance to fire	Model 1: DN (80 – 300): T200 O200 *Tested open, 200 mm from combustibles Model 2: DN (80 – 300): T200 O200 DN (350 - 450): T200 O300 DN (500 - 600): T200 O400 DN (650 - 1000): T200 O800 *Tested open, 200 mm from combustibles Model 3: DN (80 – 300): T450 G50 DN (350 - 450): T450 G75 DN (500 - 600): T450 G100 DN (650 - 1000): T450 G200 *Tested fully enclosed in a non-combustible shaft; floor penetration fully insulated. Model(s) 4, 5: DN (80 – 300): T450 G75 DN (350 - 450): T450 G112.5 DN (500 - 600): T450 G150 DN (650 - 1000): T450 G300 *Tested with an insulating jacket, non-enclosed	EN 1856-1: 2009
Gas tightness /leakage	Model 1: DN (80 – 300): H1 Model 2: DN (80 – 1000): P1 Model(s) 3, 4, 5: DN (80 – 1000): N1	EN 1856-1: 2009
Flow resistance of chimney section Flow resistance of chimney fittings Flow resistance of terminals	Model(s) 1 to 5: DN (80 – 1000): 1,0 mm Zeta 0.3 according EN 13384-1 Zeta 0.5 according EN 13384-1	EN 1856-1: 2009 EN 13384-1:2014
Thermal resistance	Model(s) 1, 2, 3: DN (80 – 1000): 0,00 m² K/W Model(s) 4, 5: DN (80 – 700): 0,29 m² K/W tested at 200°C <i>when used with 25 mm 120 kg/m³ insulating jacket</i>	EN 1856-1: 2009

Essential characteristics	Performance	Harmonized technical specification
Thermal shock resistance Sootfire Resistance	Model(s) 1, 2: DN (80 – 1000): No Model(s) 3, 4, 5: DN (80 – 1000): Yes	EN 1856-1: 2009
Thermal performance under normal operating conditions:	Model(s) 1, 2: DN (80 – 1000): T200 Model(s) 3, 4, 5: DN (80 – 1000): T450	EN 1856-1: 2009
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model(s) 1 to 5: NPD	EN 1856-1: 2009
Non-vertical installation	Model(s) 1 to 5: NPD	EN 1856-1: 2009
Components subject to wind load	Model(s) 1 to 5: NPD	EN 1856-1: 2009
Durability Water and vapour diffusion resistance Condensate penetration resistance Durability against corrosion Freeze-thaw resistance	Model(s) 1 to 3: DN (80 – 1000): Yes Model 4: DN (80 – 1000): No Model(s) 1 to 3: DN (80 – 1000): Yes Model 4: DN (80 – 1000): No Model(s) 1, 2, 3, 5: DN (80 – 1000): V2 Model 4: DN (80 – 1000): V3 Model(s) 1 to 5: DN (80 – 1000): 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:

Middelburg, 01.08.2024
Simon J. Ramaekers
PDG Schiedel Benelux

Plant manager