

Declaration of Performance

No. 005/b-DOP-20124-03-25

1. Unique identification code of the product-type: **Multi-wall Metal System Chimney (with 444 Liner)**
PERMETER 50
2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**
3. Product designations:

| | | |
|---------|---|---|
| Model 1 | DN (80 – 300) DN (350 - 450) DN (500 - 600) DN (650 - 700) | T600 – N1 – W – V2 – L99050 – G25 T600 – N1 – W – V2 – L99050 – G37,5 T600 – N1 – W – V2 – L99050 – G50 T600 – N1 – W – V2 – L99050 – G100 |
| Model 2 | DN (80 – 300) DN (350 - 450) DN (500 - 600) DN (650 - 700) | T400 – N1 – W – V2 – L99050 – G25 T400 – N1 – W – V2 – L99050 – G37,5 T400 – N1 – W – V2 – L99050 – G50 T400 – N1 – W – V2 – L99050 – G100 |
| Model 3 | DN (80 - 700) | T200 – P1 – W – V2 – L99050 – O00 |
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 for terminals)**
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 3: DN (80 – 300): 15 m DN (350 - 700): 10 m | EN 1856-1: 2009 |
| Chimney sections, fittings and supports | For further information see installation instructions | |
| Resistance to fire | Model 1: DN (80 – 300): T600 G25 DN (350 - 450): T600 G37,5 DN (500 - 600): T600 G50 DN (650 - 700): T600 G100 Model 2: DN (80 – 300): T400 G25 DN (350 - 450): T400 G37,5 DN (500 - 600): T400 G50 DN (650 - 700): T400 G100 Model 3: DN (80 – 700): T200 O00 *Tested non-enclosed; floor penetration fully insulated with solid fire-stop plates. | EN 1856-1: 2009 |
| Gas tightness /leakage | Model(s) 1, 2: DN (80 – 700): N1 Model 3: DN (80 – 700): P1 | EN 1856-1: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 3: DN (80 – 700) : 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 3: DN (80 – 700): 0.56 m² K/W tested at 200°C | EN 1856-1: 2009 |
| Thermal shock resistance | | |
| Sootfire Resistance: | Model(s) 1 to 3: DN (80 – 700): Yes | EN 1856-1: 2009 |
| Thermal performance under normal operating conditions: | Model 1: DN (80 – 700): T600 Model 2: DN (80 – 700): T400 Model 3: DN (80 – 700): T200 | 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 3: DN 80 = 33 m DN 300 = 12 m DN 700 = 3 m | EN 1856-1: 2009 |
| Non-vertical installation | Model(s) 1 to 3: DN (80 – 500): between supports ≤ 3 m at 90° DN (550 - 700): between supports ≤ 4 m at 90° | EN 1856-1: 2009 |
| Components subject to wind load | Model(s) 1 to 3: DN (80 – 400): ≤ 3 m above last support ≤ 4 m between supports DN (450 - 700): ≤ 2 m above last support ≤ 3 m between supports | 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 – 700): Yes Model(s) 1 to 3: DN (80 – 700): Yes Model(s) 1 to 3: DN (80 – 700): V2 Model(s) 1 to 3: DN (80 – 700): 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