

Declaration of Performance

No. 030/b-DOP-2024-03-25

1. Unique identification code of the product-type: **Multi-wall Metal System Chimney (with 444 Liner)**
- PERMETER SMOOTH**
2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**
3. Product designations:
- | | | |
|---------|----------------|--------------------------------|
| Model 1 | DN (130 – 200) | T600 N1 D V2 L99050 G75 |
| Model 2 | DN (130 – 200) | T450 N1 D V2 L99050 G60 |
| Model 3 | DN (130 – 200) | T450 N1 D V2 L99050 G50 |
| Model 4 | DN (130 – 200) | T600 N1 D V2 L99050 G25 |
| Model 5 | DN (130 – 200) | T600 N1 D V2 L99050 G75 |
- Models 1, 2, 3 with 25 mm insulation
Models 4, 5 with 50 mm insulation
4. Manufacturer: **Schiedel s.r.o.,
Horoušanská 286,
CZ-250 81 Nehvizdy**
5. Authorized representative: **Schiedel Skorstene ApS
Industrivej 23
DK-7470 Karup J**
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 5: DN (130): 22 m DN (150 - 200): 18 m	EN 1856-1: 2009
Chimney sections, fittings and supports	For further information see installation instructions	
Resistance to fire	<p>Model 1: DN (130 – 200): T600 G75 *Tested fully ventilated</p> <p>Model 2: DN (130 – 200): T450 G60 *Tested fully enclosed in a combustible shaft; floor penetration fully ventilated with ventilated fire-stop plates.</p> <p>Model 3: DN (130 – 200): T450 G50 *Tested fully enclosed in a non-combustible shaft; floor penetration fully insulated with solid fire-stop plates.</p> <p>Model 4: DN (130 – 200): T600 G25 *Tested non enclosed; floor penetration fully ventilated with ventilated fire stop plates. ** Can also be installed fully enclosed in a non-combustible shaft; floor penetration fully insulated with solid firestop plates.</p> <p>Model 5: DN (130 – 200): T600 G25 *Tested non-enclosed; floor penetration fully insulated with solid fire-stop plates.</p>	EN 1856-1: 2009
Gas tightness /leakage	Model(s) 1 to 5: DN (130 – 200): N1	EN 1856-1: 2009
Flow resistance of chimney sections	Model(s) 1 to 5: DN (130 – 200): 1,0 mm	EN 1856-1: 2009
Flow resistance of chimney fittings	Zeta = 0.3 according EN 13384-1	EN 13384-1: 2015
Flow resistance of terminals	Zeta = 0.5 according EN 13384-1	
Thermal resistance	<p>Model(s) 1, 2 & 3: DN (130 – 200): 0.37 m²K/W tested at 200°C</p> <p>Model(s) 4 & 5: DN (130 – 200): 0.54 m²K/W tested at 200°C</p>	EN 1856-1: 2009
Thermal shock resistance Sootfire resistance:	Model(s) 1 to 5: DN (130 – 200): Yes	EN 1856-1: 2009
Thermal performance under normal operating conditions:	<p>Model(s) 1, 4, 5: DN (130 – 200): T600</p> <p>Model(s) 2 & 3: DN (130 – 200): T450</p>	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 5: DN (130 – 200): NPD	EN 1856-1: 2009
Non-vertical installation	Model(s) 1 to 5: DN (130 – 200): NPD	EN 1856-1: 2009
Components subject to wind load	Model(s) 1 to 5: DN (130 – 200): NPD	EN 1856-1: 2009
Durability Water and vapour diffusion resistance Condensate penetration resistance Durability against corrosion Freeze-thaw resistance	Model(s) 1 to 5: DN (130 – 200): No Model(s) 1 to 5: DN (130 – 200): No Model(s) 1 to 5: DN (130 – 200): V2 Model(s) 1 to 5: DN (130 – 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:

Karup, 21-06 2024

Anne Marie Aebeloe,
Managing Director

