

# 1. Declaration of Performance

No. 030/b-DOP-2022-07-06

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:
- |               |                |  |
|---------------|----------------|--|
| Designation 1 | DN (130 – 200) | <b>T600 – N1 – D – V2 – L99050 – G75</b> |
| Designation 2 | DN (130 – 200) | <b>T450 – N1 – D – V2 – L99050 – G60</b> |
| Designation 3 | DN (130 – 200) | <b>T450 – N1 – D – V2 – L99050 – G50</b> |
| Designation 4 | DN (130 – 200) | <b>T600 – N1 – D – V2 – L99050 – G25</b> |
| Designation 5 | DN (130 – 200) | <b>T600 – N1 – D – V2 – L99050 – G75</b> |
- Designations 1, 2, 3 with 25 mm insulation  
Designations 4, 5 with 50 mm insulation
4. Manufacturer: **Schiedel s.r.o., Horoušanská 286, CZ-250 81 Nehvizdy**
5. Authorized representative: **N/A**
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
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Compressive strength	Designation(s) 1 to 5: DN (130): <b>22 m</b> DN (150 - 200): <b>18 m</b>	EN 1856-1: 2009
Chimney sections, fittings and supports	For further information see installation instructions	
Resistance to fire	<p><u>Designation(s) 1:</u> DN (130 – 200): <b>T600 G75</b> *Tested fully ventilated</p> <p><u>Designation(s) 2:</u> DN (130 – 200): <b>T450 G60</b> *Tested fully enclosed in a combustible shaft; floor penetration fully ventilated with ventilated fire-stop plates.</p> <p><u>Designation(s) 3:</u> DN (130 – 200): <b>T450 G50</b> *Tested fully enclosed in a non-combustible shaft; floor penetration fully insulated with solid fire-stop plates.</p> <p><u>Designation(s) 4:</u> DN (130 – 200): <b>T600 G25</b> *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><u>Designation(s) 5:</u> DN (130 – 200): <b>T600 G75</b> *Tested non-enclosed; floor penetration fully insulated with solid fire-stop plates.</p>	EN 1856-1: 2009
Gas tightness /leakage	Designation(s) 1 to 5: DN (130 – 200): <b>N1</b>	EN 1856-1: 2009
Flow resistance of chimney sections	Designation(s) 1 to 5: DN (130 – 200): <b>1,0 mm</b>	EN 1856-1: 2009
Flow resistance of chimney fittings	Zeta = <b>0.3</b> according EN 13384-1	EN 13384-1: 2015
Flow resistance of terminals	Zeta = <b>0.5</b> according EN 13384-1	
Thermal resistance	Designation(s) 1, 2 & 3: DN (130 – 200): <b>0.37 m<sup>2</sup>K/W</b> tested at 200°C  Designation(s) 4 & 5: DN (130 – 200): <b>0.54 m<sup>2</sup>K/W</b> tested at 200°C	EN 1856-1: 2009
Thermal shock resistance Sootfire Resistance:	Designation(s) 1 to 5: DN (130 – 200): <b>Yes</b>	EN 1856-1: 2009
Thermal performance under normal operating conditions:	Designation(s) 1 & 4: DN (130 – 200): T600  Designation(s) 2 & 3: DN (130 – 200): T450	EN 1856-1: 2009

Essential characteristics	Performance	Harmonized technical specification
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Designation(s) 1 to 5: DN (130 – 200): <b>NPD</b>	EN 1856-1: 2009
Non-vertical installation	Designation(s) 1 to 5: DN (130 – 200): <b>NPD</b>	EN 1856-1: 2009
Components subject to wind load	Designation(s) 1 to 5: DN (130 – 200): <b>NPD</b>	EN 1856-1: 2009
Durability Water and vapour diffusion resistance  Condensate penetration resistance  Against corrosion  Freeze thaw resistance	Designation(s) 1 to 5: DN (130 – 200): <b>No</b>  Designation(s) 1 to 5: DN (130 – 200): <b>No</b>  Designation(s) 1 to 5: DN (130 – 200): <b>V2</b>  Designation(s) 1 to 5: DN (130 – 200): <b>Yes</b>	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:

Teplice, 06.07.2022  
Černa,  
manager

Ivana  
Plant