

# Declaration of Performance

No. 034/b-DOP-2024-03-25

1. Unique identification code of the product-type: **Multi-wall Metal System Chimney (with 444 Liner)**
- PERMETER SMOOTH AIR**
2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**
3. Product designations:
- |          |                |                                |
|----------|----------------|--------------------------------|
| Model 1  | DN (120 – 200) | <b>T400 N1 D V2 L99050 G75</b> |
| Model 2  | DN (120 – 200) | <b>T450 N1 D V2 L99050 G75</b> |
| Model 3  | DN (120 – 200) | <b>T600 N1 D V2 L99050 G75</b> |
| Model 4* | DN (120 – 200) | <b>T400 N1 D V2 L99050 G50</b> |
| Model 5* | DN (120 – 200) | <b>T450 N1 D V2 L99050 G50</b> |
| Model 6* | DN (120 – 200) | <b>T600 N1 D V2 L99050 G50</b> |
| Model 7* | DN (150)       | <b>T600 N1 D V2 L99050 G75</b> |
- \*with double insulation
4. Manufacturer: **Schiedel s.r.o.,  
Horoušanská 286,  
CZ-250 81 Nehvizdy**
5. Authorized representative: **Schiedel Skorstene ApS  
Industrivej 23  
DK-7430 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 Chimney sections, fittings and supports	Model(s) 1 to 7: DN (120): <b>22 m</b> DN (150 - 200): <b>18 m</b> For further information see installation instructions	EN 1856-1: 2009
Resistance to fire	<p>Model 1: DN (120 – 200): <b>T400 G75</b> *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p>Model 2: DN (120 – 200): <b>T450 G75</b> *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p>Model 3: DN (120 – 200): <b>T600 G75</b> *Tested fully ventilated.</p> <p>Model 4: DN (120 – 200): <b>T400 G50</b> *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p>Model 5: DN (120 – 200): <b>T450 G50</b> *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p>Model 6: DN (120 – 200): <b>T600 G50</b> *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p>Model 7: DN (150): <b>T600 G75</b> *Tested with closed and insulated floor trespass in height ≤600 mm.</p>	EN 1856-1: 2009
Gas tightness /leakage	Model(s) 1 to 7: DN (120 – 200): <b>N1</b>	EN 1856-1: 2009
Flow resistance of chimney sections Flow resistance of chimney fittings Flow resistance of terminals	Model(s) 1 to 7: DN (120 – 200): <b>1,0 mm</b> Zeta = <b>0.3</b> according EN 13384-1 Zeta = <b>0.5</b> according EN 13384-1	EN 1856-1: 2009 EN 13384-1: 2015
Thermal resistance	Model(s) 1, 2 & 3: DN (120 – 200): <b>0.37 m<sup>2</sup>K/W</b> tested at 200°C  Model(s) 4, 5, 6 & 7: DN (120 – 200): <b>0.54 m<sup>2</sup>K/W</b> tested at 200°C	EN 1856-1: 2009

Essential characteristics	Performance	Harmonized technical specification
Thermal shock resistance Sootfire resistance:	Model(s) 1 to 7: DN (120 – 200): <b>Yes</b>	EN 1856-1: 2009
Thermal performance under normal operating conditions:	Model(s) 1 & 4: DN (120 – 200): <b>T400</b>  Model(s) 2 & 5: DN (120 – 200): <b>T450</b>  Model(s) 3, 6 & 7: DN (120 – 200): <b>T600</b>	EN 1856-1: 2009
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model(s) 1 to 7: DN (120 – 200): <b>NPD</b>	EN 1856-1: 2009
Non-vertical installation	Model(s) 1 to 7: DN (120 – 200): <b>NPD</b>	EN 1856-1: 2009
Components subject to wind load	Model(s) 1 to 7: DN (120 – 200): <b>NPD</b>	EN 1856-1: 2009
Durability Water and vapour diffusion resistance  Condensate penetration resistance  Durability against corrosion  Freeze-thaw resistance	Model(s) 1 to 7: DN (120 – 200): <b>No</b>  Model(s) 1 to 7: DN (120 – 200): <b>No</b>  Model(s) 1 to 7: DN (120 – 200): <b>V2</b>  Model(s) 1 to 7: DN (120 – 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:

Karup J. 21.06.2024

Anne Marie Aebeloe,  
Managing Director

