

# Declaration of performance

Nr. 046-DoP-2023-09-29

1. Unique identification code of the product type: **Multi-wall Metal System Chimney according to EN 1856-1:2009**  
**CLV**
2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**
3. Product designations:
- |         |                             |  |
|---------|-----------------------------|--|
| Model 1 | DN (80-180)<br>DN (200-300) | <b>T200 - P1 - W - V2 - L50050 - O00</b><br><b>T200 - P1 - W - V2 - L50050 - O00</b> |
| Model 2 | DN (80-180)<br>DN (200-300) | <b>T200 - P1 - W - V2 - L99050 - O00</b><br><b>T200 - P1 - W - V2 - L99050 - O00</b> |
| Model 3 | DN (80-180)<br>DN (200-300) | <b>T200 - N1 - W - V2 - L50050 - O00</b><br><b>T200 - N1 - W - V2 - L50050 - O00</b> |
| Model 4 | DN (80-180)<br>DN (200-300) | <b>T200 - N1 - W - V2 - L99050 - O00</b><br><b>T200 - N1 - W - V2 - L99050 - O00</b> |
4. Manufacturer: Schiedel s.r.o.  
Horoušanská 286, CZ-250 81 Nehvizdy
5. Authorised representative: Schiedel Metaloterm B.V.  
Oude Veerseweg 23, 4332 SH Middelburg NL
6. System(s) of AVCP: System 2+ & 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 4 DN (80-130): <b>22 meter</b> DN (150-180): <b>18 meter</b> DN (200-300): <b>18 meter</b>	EN 1856-1:2009
Chimney sections, fittings and supports	Supports no preformance determined for futher information see <a href="http://www.schiedel.com">www.schiedel.com</a>	
Resistance to fire	Model(s) 1 to 4 DN (80-300): <b>T200 O00</b>  *Tested fully enclosed and with ventilated floors.	EN 1856-1:2009
Gas tightness/leakage	Model(s) 1 & 2 DN (80-300): <b>P1</b>  Model(s) 3 & 4 DN (80-300): <b>N1</b>	EN 1856-1:2009
	Model(s) 1 to 4	

Flow resistance of chimney sections and fittings	DN (80-300): <b>1,0 mm</b> Zeta <b>0,3</b> according EN 13384-1 Air duct: <b>2,03</b> Flue duct: <b>0,59</b>	EN 1856-1:2009
Thermal resistance	Model(s) 1 to 4 <b>NPD</b>	EN 1856-1:2009
Thermal shock resistance	Model(s) 1 to 4: <b>No</b>	EN 1856-1:2009
Thermal performance under normal operating conditions	Model(s) 1 to 4: <b>T200</b>	EN 1856-1:2009
Tensile strength - Flexural strength of joints  - Non vertical installation  - Wind load	Model(s) 1 to 4 DN 80: <b>48 m</b> DN 300: <b>15m</b>  <b>Between supports <math>\leq 3</math> m at 90°</b>  DN (80-300) <b><math>\leq 3</math> m above last support</b> DN (80-300) <b><math>\leq 4</math> m between supports</b>	EN 1856-1:2009
Sustainability Water and vapor diffusion resistance Condensate penetration resistance	Model(s) 1 to 4: <b>Yes</b> Model(s) 1 to 4: <b>Yes</b>	EN 1856-1:2009
Resistance against corrosion	Model(s) 1 to 4: <b>V2</b>	EN 1856-1:2009
Freeze thaw resistance	Model(s) 1 to 4: <b>Yes</b>	EN 1856-1:2009

The performance of the product identified above is in accordance with the range of declared performance. 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 29-9-2023

Drs. Simon J. Ramaekers CEO Schiedel Benelux

