

# Declaration of Performance $\text{CE}$

## No. 108-DoP-2020-01-25

1. Unique identification code of the product-type: **Single wall stainless steel system Metaloterm<sup>®</sup> ME** according to EN 1856-1:2009

2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**

3. Product designations:

Model 1	DN (80–300)	T200 P1 W V2 L50050 O30
	DN (350–450)	T200 P1 W V2 L50060 O45
	DN (500–600)	T200 P1 W V2 L50060 O60
	DN (700)	T200 P1 W V2 L50060 O120
	DN (800-1000)	T200 P1 W V2 L50080 O120
Model 2	DN (80–300)	T200 H1 W V2 L50050 O30
	DN (350–450)	T200 H1 W V2 L50060 O45
	DN (500–600)	T200 H1 W V2 L50060 O60
	DN (700)	T200 H1 W V2 L50060 O120
	DN (800-1000)	T200 H1 W V2 L50080 O120
Model 3	DN (80–300)	T400 N1 W V2 L50050 O70
	DN (350–450)	T400 N1 W V2 L50060 O105
	DN (500–600)	T400 N1 W V2 L50060 O140
	DN (700)	T400 N1 W V2 L50060 O280
	DN (800-1000)	T400 N1 W V2 L50080 O280

4. Manufacturer: **Schiedel Metaloterm B.V.**  
**Oude Veerseweg 23**  
**4332 SH Middelburg**  
**The Netherlands**

5. Authorised representative: **N/A**

6. System(s) of AVCP: **System 2+ and System 4**

7. Harmonized standard: **EN 1856-1:2009**

Notified body: **TÜV SÜD Industrie Service GmbH,**  
**Westendstrasse 199, 80686 Munich, Germany**  
 Notified certification body for factory production control No. **0036** performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control No. **0036-CPR-91418-108**.

## 8. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
8.1	Compressive strength  Chimney sections, fittings and supports	Sections and fittings: Model 1 to 3 DN (80- 300): up to 30 m Model 1 to 3 DN (350- 450): up to 15 m Model 1 to 3 DN (500- 600): up to 12 m Model 1 to 3 DN (700-1000): up to 9 m Supports: n.p.d. For further information see <a href="http://www.metaloterm.com">www.metaloterm.com</a>	EN 1856-1:2009
8.2	Resistance to fire	(Resistance to fire from inside to outside) Model 1 DN (80- 300): T200 – O30 Model 1 DN (350- 450): T200 – O45 Model 1 DN (500- 600): T200 – O60 Model 1 DN (700-1000): T200 – O120 Model 2 DN (80- 300): T200 – O30 Model 2 DN (350- 450): T200 – O45 Model 2 DN (500- 600): T200 – O60 Model 2 DN (700-1000): T200 – O120 Model 3 DN (80- 300): T400 – O70 Model 3 DN (350- 450): T400 – O105 Model 3 DN (500- 600): T400 – O140 Model 3 DN (700-1000): T400 – O280 Tested without cover, with back ventilated ceiling duct	EN 1856-1:2009
8.3	Gas tightness/leakage	Model 1 DN (80-1000): P1 Model 2 DN (80-1000): H1 Model 3 DN (80-1000): N1	EN 1856-1:2009
8.4	Flow resistance of chimney sections fittings and terminals	According to EN 13384-1	EN 1856-1:2009
8.5	Thermal resistance	Model 1 to 3 DN (80-1000): 0,51 m <sup>2</sup> K/W tested at 200°C	EN 1856-1:2009
8.6	Thermal shock resistance Sootfire resistance	Model 1 DN (80-1000): No* Model 2 DN (80-1000): No* Model 3 DN (80-1000): No* * because designated O	EN 1856-1:2009
8.7	Thermal performance under normal operating conditions	Model 1 DN (80-1000): T200 Model 2 DN (80-1000): T200 Model 3 DN (80-1000): T400	
8.8	Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model 1 to 3 DN (80- 300): up to 10 m Model 1 to 3 DN (350- 450): up to 10 m Model 1 to 3 DN (500- 600): up to 10 m Model 1 to 3 DN (700-1000): n.p.d.	EN 1856-1:2009
8.9	Non vertical installation	Model 1 to 3 DN (80-1000): Maximum offset between supports 3 m at 90° (inclined run, maximum distance between two fixations, supports at non vertical installation)	EN 1856-1:2009
8.10	Components subject to wind load	Model 1 to 3 DN (80- 600): Free standing height 3 m above last support Maximum spacing between lateral supports: 4 m Model 1 to 3 DN (700-1000): Free standing height 1.5 m above last support Maximum spacing between lateral supports: 4 m	EN 1856-1:2009

	Essential Characteristics	Performance	Harmonized technical specification
8.11	Durability: Water and vapour diffusion resistance	Yes	EN 1856-1:2009
8.12	Condensate penetration resistance	Model 1 to 3 DN (80-1000): Yes	
8.13	Against corrosion	Model 1 to 3 DN (80-1000): V2	
8.14	Freeze thaw resistance	Model 1 to 3 DN (80-1000): Yes	

9. 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, 2020-01-25

Drs. Simon J. Ramaekers  
CEO Schiedel Benelux

