

Declaration of Performance CE No. 109-DoP-2020-01-25

1. Unique identification code of the product-type: **Single wall metal flue liners and connecting flue pipes Metaloterm[®] ME according to EN 1856-2:2009**

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

3. Product designations:

Model 1	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T200 P1 W V2 L50050 O30 M T200 P1 W V2 L50060 O45 M T200 P1 W V2 L50060 O60 M T200 P1 W V2 L50060 O120 M T200 P1 W V2 L50080 O120 M	Model 6	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T450 N1 D V2 L50050 G T450 N1 D V2 L50060 G T450 N1 D V2 L50060 G T450 N1 D V2 L50060 G T450 N1 D V2 L50080 G
Model 2	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T200 P1 W V2 L50050 O T200 P1 W V2 L50060 O T200 P1 W V2 L50060 O T200 P1 W V2 L50060 O T200 P1 W V2 L50080 O	Model 7	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T450 N1 D V2 L50050 G400 M T450 N1 D V2 L50060 G600 M T450 N1 D V2 L50060 G800 M T450 N1 D V2 L50060 G1600 M T450 N1 D V2 L50080 G1600 M
Model 3	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T200 H1 W V2 L50050 O30 M T200 H1 W V2 L50060 O45 M T200 H1 W V2 L50060 O60 M T200 H1 W V2 L50060 O120 M T200 H1 W V2 L50080 O120 M	Model 8	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T600 N1 D V2 L50050 G T600 N1 D V2 L50060 G T600 N1 D V2 L50060 G T600 N1 D V2 L50060 G T600 N1 D V2 L50080 G
Model 4	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T200 H1 W V2 L50050 O T200 H1 W V2 L50060 O T200 H1 W V2 L50060 O T200 H1 W V2 L50060 O T200 H1 W V2 L50080 O	Model 9	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T600 N1 D V2 L50050 G400 M T600 N1 D V2 L50060 G600 M T600 N1 D V2 L50060 G800 M T600 N1 D V2 L50060 G1600 M T600 N1 D V2 L50080 G1600 M
Model 5	DN (80–300) DN (350–450) DN (500–600) DN (700) DN (800-1000)	T400 N1 W V2 L50050 O100 M T400 N1 W V2 L50060 O150 M T400 N1 W V2 L50060 O200 M T400 N1 W V2 L50060 O400 M T400 N1 W V2 L50080 O400 M			

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 1856-2:2009**

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-91418-109**.

8. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
8.1	Compressive strength Chimney sections, fittings and supports	Sections and fittings: Model 1 to 9 DN (80- 300): up to 30 m Model 1 to 9 DN (350- 450): up to 15 m Model 1 to 9 DN (500- 600): up to 12 m Model 1 to 9 DN (700-1000): up to 9 m Supports: n.p.d. For further information see www.metaloterm.com	EN 1856-2:2009
8.2	Resistance to fire	(Resistance to fire from inside to outside) Model 1 DN (80- 300): T200 – O30 M Model 1 DN (350- 450): T200 – O45 M Model 1 DN (500- 600): T200 – O60 M Model 1 DN (700-1000): T200 – O120 M Model 2 DN (80- 300): T200 – O Model 2 DN (350- 450): T200 – O Model 2 DN (500- 600): T200 – O Model 2 DN (700-1000): T200 – O Model 3 DN (80- 300): T200 – O30 M Model 3 DN (350- 450): T200 – O45 M Model 3 DN (500- 600): T200 – O60 M Model 3 DN (700-1000): T200 – O120 M Model 4 DN (80- 300): T200 – O Model 4 DN (350- 450): T200 – O Model 4 DN (500- 600): T200 – O Model 4 DN (700-1000): T200 – O Model 5 DN (80- 300): T400 – O100 M Model 5 DN (350- 450): T400 – O150 M Model 5 DN (500- 600): T400 – O200 M Model 5 DN (700-1000): T400 – O400 M Model 6 DN (80- 300): T450 – G Model 6 DN (350- 450): T450 – G Model 6 DN (500- 600): T450 – G Model 6 DN (700-1000): T450 – G Model 7 DN (80- 300): T450 – G400 M Model 7 DN (350- 450): T450 – G600 M Model 7 DN (500- 600): T450 – G800 M Model 7 DN (700-1000): T450 – G1600 M Model 8 DN (80- 300): T600 – G Model 8 DN (350- 450): T600 – G Model 8 DN (500- 600): T600 – G Model 8 DN (700-1000): T600 – G Model 9 DN (80- 300): T600 – G400 M Model 9 DN (350- 450): T600 – G600 M Model 9 DN (500- 600): T600 – G800 M Model 9 DN (700-1000): T600 – G1600 M Tested without cover, with back ventilated ceiling duct	EN 1856-2:2009
8.3	Gas tightness/leakage	Model 1 DN (80-1000): P1 Model 2 DN (80-1000): P1 Model 3 DN (80-1000): H1 Model 4 DN (80-1000): H1 Model 5 DN (80-1000): N1 Model 6 DN (80-1000): N1 Model 7 DN (80-1000): N1 Model 8 DN (80-1000): N1 Model 9 DN (80-1000): N1	EN 1856-2:2009
8.4	Flow resistance of chimney sections fittings and terminals	According to EN 13384-1	EN 1856-2:2009

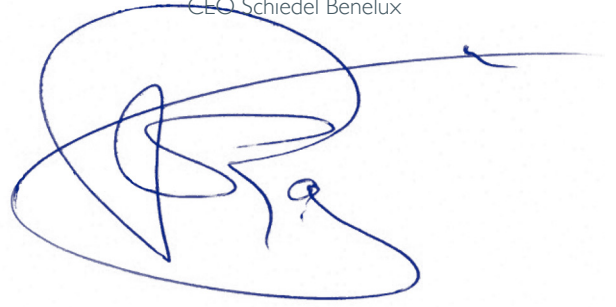
	Essential Characteristics	Performance	Harmonized technical specification
8.5	Thermal resistance		EN 1856-2:2009
8.6	Thermal shock resistance Sootfire resistance	Model 1 DN (80-1000): No* Model 2 DN (80-1000): No* Model 3 DN (80-1000): No* Model 4 DN (80-1000): No* Model 5 DN (80-1000): No* Model 6 DN (80-1000): Yes Model 7 DN (80-1000): Yes Model 8 DN (80-1000): Yes Model 9 DN (80-1000): Yes * because designated O	EN 1856-2:2009
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): T200 Model 4 DN (80-1000): T200 Model 5 DN (80-1000): T400 Model 6 DN (80-1000): T450 Model 7 DN (80-1000): T450 Model 8 DN (80-1000): T600 Model 9 DN (80-1000): T600	
8.8	Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model 1 to 9 DN (80- 300): up to 10 m Model 1 to 9 DN (350- 450): up to 10 m Model 1 to 9 DN (500- 600): up to 10 m Model 1 to 9 DN (700-1000): n.p.d.	EN 1856-2:2009
8.9	Non vertical installation	Model 1 to 9 DN (80-1000): Maximum offset between supports 3 m at 90° (inclined run, maximum distance between two fixations, supports at non vertical installation)	EN 1856-2:2009
8.10	Components subject to wind load	Model 1 to 9 DN (80- 600): Free standing height 3 m above last support Maximum spacing between lateral supports: 4 m Model 1 to 9 DN (700-1000): Free standing height 1.5 m above last support Maximum spacing between lateral supports: 4 m	EN 1856-2:2009
8.11	Durability: Water and vapour diffusion resistance	Yes	
8.12	Condensate penetration resistance	Model 1 to 4 DN (80-1000): Yes Model 5 to 9 DN (80-1000): No	EN 1856-2:2009
8.13	Against corrosion	Model 1 to 9 DN (80-1000): V2	
8.14	Freeze thaw resistance	Model 1 to 9 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

A handwritten signature in blue ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.