

Declaration of Performance CE

No. 105-DoP-2020-01-25

1. Unique identification code of the product-type: **Double-wall stainless steel system Metaloterm[®] AT** 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 (130–300) DN (350–400)	T400 N1 D V3 L50040 G50 T400 N1 D V3 L50050 G75
Model 2	DN (130–300) DN (350–400)	T600 N1 D V3 L50040 G50 T600 N1 D V3 L50050 G75
Model 3	DN (130–300) DN (350–400)	T600 N1 D V3 L50040 G50 T600 N1 D V3 L50040 G50
Model 4	DN (130–300) DN (350–400)	T600 N1 D V3 L50040 G70 T600 N1 D V3 L50050 G105

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-91418-105**.

8. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
8.1	Compressive strength Chimney sections, fittings and supports	Sections and fittings: Model 1 to 5 DN (130-150): up to 30 m Model 1 to 5 DN (180): up to 25 m Model 1 to 5 DN (200-250): up to 20 m Model 1 to 5 DN (300): up to 17 m Model 1 to 5 DN (350-400): up to 14 m For further information see www.metaloterm.com	EN 1856-1:2009
8.2	Resistance to fire	(Resistance to fire from inside to outside) Model 1 DN (130- 300): T400 – G50 Model 1 DN (350- 400): T400 – G75 Model 2 DN (130- 300): T600 – G50 Model 2 DN (350- 400): T600 – G75 Tested without cover, with back ventilated ceiling duct Model 3 DN (130- 300): T600 – G50 Model 3 DN (350- 400): T600 – G50 Tested in a 12,5 mm non-combustible Promatect®-H shaft (50mm distance between outer casing of chimney and the inside of the shaft). With 2 ventilation holes of 100x200 mm above the first floor and 2 ventilation holes just below the second floor. The base of the shaft is closed with a ceiling plate. The top of the shaft is ventilated. For installations according to the national regulations consult the installation manual. Model 4 DN (130- 300): T600 – G70 Model 4 DN (350- 400): T600 – G105 Tested in non-combustible shaft, with ventilated fire stop Model 5 DN (130- 300): T450 – G60 Tested in combustible shaft with ventilated fire stop	EN 1856-1:2009
8.3	Gas tightness/leakage	Model 1 to 4 DN (130- 400): N1 Model 5 DN (130- 300): 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 4 DN (130-400): 0,47 m ² K/W tested at 200°C Model 5 DN (130-300): 0,47 m ² K/W tested at 200°C	EN 1856-1:2009
8.6	Thermal shock resistance Sootfire resistance	Model 1 to 5 DN (130- 400): Yes	
8.7	Thermal performance under normal operating conditions	Model 1 DN (130-400): T400 Model 2 DN (130-400): T600 Model 3 DN (130-400): T600 Model 4 DN (130-400): T600 Model 5 DN (130-300): T450	EN 1856-1:2009
8.8	Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model 1 to 4 DN (130- 400): up to 5 m Model 5 DN (130- 300): up to 5 m	EN 1856-1:2009
8.9	Non vertical installation	Model 1 to 4 DN (130-400) Model 5 DN (130-300) Maximum offset between supports 3 m at 90° (inclined run, maximum distance between two fixations, supports at non vertical installation)	EN 1856-1:2009

	Essential Characteristics	Performance	Harmonized technical specification
8.10	Components subject to wind load	Model 1 to 5 DN (130- 400) Free standing height 3 m above last support Maximum spacing between lateral supports: 4 m	EN 1856-1:2009
8.11	Durability: Water and vapour diffusion resistance	Yes	EN 1856-1:2009
8.12	Condensate penetration resistance	Model 1 to 5 DN (130- 400): No	
8.13	Against corrosion	Model 1 to 5 DN (130- 400): V3	
8.14	Freeze thaw resistance	Model 1 to 5 DN (130- 400): 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

