

Declaration of Performance CE

No. 112-DoP-2020-01-25

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|--|--|--------------------------|-------------|-------------------------|---------|-------------|-------------------------|---------|-------------|-------------------------|---------|-------------|--------------------------|---------|-------------|--------------------------|
| 1. Unique identification code of the product-type: | Twin walled stainless steel system with air gap Metaloterm[®] UE according to EN 1856-1:2009 | | | | | | | | | | | | | | | |
| 2. Intended use | Convey the products of combustion from heating appliances to the outside atmosphere | | | | | | | | | | | | | | | |
| 3. Product designations: | <table border="0"> <tr> <td>Model 1</td> <td>DN (80–250)</td> <td>T200 P1 W V2 L50040 O25</td> </tr> <tr> <td>Model 2</td> <td>DN (80–250)</td> <td>T200 H1 W V2 L50040 O25</td> </tr> <tr> <td>Model 3</td> <td>DN (80–250)</td> <td>T250 N1 W V2 L50040 O25</td> </tr> <tr> <td>Model 4</td> <td>DN (80–250)</td> <td>T400 N1 W V2 L50040 O130</td> </tr> <tr> <td>Model 5</td> <td>DN (80–250)</td> <td>T400 N1 D V3 L50040 G130</td> </tr> </table> | Model 1 | DN (80–250) | T200 P1 W V2 L50040 O25 | Model 2 | DN (80–250) | T200 H1 W V2 L50040 O25 | Model 3 | DN (80–250) | T250 N1 W V2 L50040 O25 | Model 4 | DN (80–250) | T400 N1 W V2 L50040 O130 | Model 5 | DN (80–250) | T400 N1 D V3 L50040 G130 |
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| Model 4 | DN (80–250) | T400 N1 W V2 L50040 O130 | | | | | | | | | | | | | | |
| Model 5 | DN (80–250) | T400 N1 D V3 L50040 G130 | | | | | | | | | | | | | | |
| 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: | <p>TÜV SÜD Industrie Service GmbH,
Westendstrasse 199, 80686 Munich, Germany</p> <p>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-91418-112.</p> | | | | | | | | | | | | | | | |

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 (80-250): up to 50 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 (80-250): T200 – O25 Model 2 DN (80-250): T200 – O25 Model 3 DN (80-250): T250 – O25 Model 4 DN (80-250): T400 – O130 Model 5 DN (80-250): T400 – G130 Tested without cover, with back ventilated ceiling duct	EN 1856-1:2009
8.3	Gas tightness/leakage	Model 1 DN (80-250): P1 Model 2 DN (80-250): H1 Model 3 DN (80-250): N1 Model 4 DN (80-250): N1 Model 5 DN (80-250): 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 5 DN (80-250): 0,15 m ² K/W tested at 200°C	EN 1856-1:2009
8.6	Thermal shock resistance Sootfire resistance	Model 1 DN (80-250): No* Model 2 DN (80-250): No* Model 3 DN (80-250): No* Model 4 DN (80-250): No* Model 5 DN (80-250): Yes * because designated O	EN 1856-1:2009
8.7	Thermal performance under normal operating conditions	Model 1 DN (80-250): T200 Model 2 DN (80-250): T200 Model 3 DN (80-250): T250 Model 4 DN (80-250): T400 Model 5 DN (80-250): T400	
8.8	Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model 1 to 5 DN (80-250): up to 0 m	EN 1856-1:2009
8.9	Non vertical installation	Model 1 to 5 DN (80-250): Maximum offset between supports 1.5 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 5 DN (80- 250): Free standing height 2.5 m above last support Maximum spacing between lateral supports: 2 m	EN 1856-1:2009
8.11	Durability: Water and vapour diffusion resistance	Yes	
8.12	Condensate penetration resistance	Model 1 to 4 DN (80-250): Yes Model 5 DN (80-250): No	EN 1856-1:2009
8.13	Against corrosion	Model 1 to 4 DN (80-250): V2 Model 5 DN (80-250): V3	
8.14	Freeze thaw resistance	Model 1 to 5 DN (80-250): 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.