

Declaration of Performance	Metaloterm® ME		EN	1/7
No. 00373	EN 1856-1:2009		ME_DoP_00373_EN_G	

1. Unique identification code of the product-type:

Single wall stainless steel system - Metaloterm® ME according to EN 1856-1:2009

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Model 1 DN (ø80-300)	EN 1856-1 T200 P1 W V2 L50050 Q30
Model 1 DN (ø350-450)	EN 1856-1 T200 P1 W V2 L50060 Q45
Model 1 DN (ø500-600)	EN 1856-1 T200 P1 W V2 L50060 Q60
Model 1 DN (ø700)	EN 1856-1 T200 P1 W V2 L50060 Q120
Model 1 DN (ø800-1000)	EN 1856-1 T200 P1 W V2 L50080 Q120
Model 2 DN (ø80-300)	EN 1856-1 T200 H1 W V2 L50050 Q30
Model 2 DN (ø350-450)	EN 1856-1 T200 H1 W V2 L50060 Q45
Model 2 DN (ø500-600)	EN 1856-1 T200 H1 W V2 L50060 Q60
Model 2 DN (ø700)	EN 1856-1 T200 H1 W V2 L50060 Q120
Model 2 DN (ø800-1000)	EN 1856-1 T200 H1 W V2 L50080 Q120
Model 3 DN (ø80-300)	EN 1856-1 T400 N1 W V2 L50050 Q70
Model 3 DN (ø350-450)	EN 1856-1 T400 N1 W V2 L50060 Q105
Model 3 DN (ø500-600)	EN 1856-1 T400 N1 W V2 L50060 Q140
Model 3 DN (ø700)	EN 1856-1 T400 N1 W V2 L50060 Q280
Model 3 DN (ø800-1000)	EN 1856-1 T400 N1 W V2 L50080 Q280

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Convey the products of combustion from heating appliances to the outside atmosphere

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

Ontop B.V.
Postbus 135, 4330 AC Middelburg
Oude Veerseweg 23, 4332 SH Middelburg
The Netherlands
T: +31 (0)118 68 99 00
F: +31 (0)118 68 99 99
E: info.nl@ontop.nl

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+ and System 4

7. Notified factory production control certification body No. 0432 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 **0432-CPR-00373-90** of the factory production control.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable

Declaration of Performance	Metaloterm® ME	EN	2/7
No. 00373	EN 1856-1:2009	ME_DoP_00373_EN_G	

9. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
9.1	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 www.metaloterm.com	EN 1856-1:2009
9.2	Resistance to fire	(Resistance to fire from inside to outside) Model 1 DN (80- 300): T200 – 030 Model 1 DN (350- 450): T200 – 045 Model 1 DN (500- 600): T200 – 060 Model 1 DN (700-1000): T200 – 0120 Model 2 DN (80- 300): T400 – 030 Model 2 DN (350- 450): T400 – 045 Model 2 DN (500- 600): T400 – 060 Model 2 DN (700-1000): T400 – 0120 Model 3 DN (80- 300): T400 – 070 Model 3 DN (350- 450): T400 – 0105 Model 3 DN (500- 600): T400 – 0140 Model 3 DN (700-1000): T400 – 0280 Tested without cover, with back ventilated ceiling duct	EN 1856-1:2009
9.3	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
9.4	Flow resistance of chimney sections fittings and terminals	According to EN 13384-1	EN 1856-1:2009
9.5	Thermal resistance	Model 1 to 3 DN (80-1000): 0,51 m ² K/W tested at 200°C	EN 1856-1:2009
	Thermal shock resistance		
9.6	Sootfire resistance	Model 1 DN (80-1000): No* Model 2 DN (80-1000): No* Model 3 DN (80-1000): No* * because designated 0	EN 1856-1:2009
9.7	Thermal performance under normal operating conditions	Model 1 DN (80-1000): T200 Model 2 DN (80-1000): T200 Model 3 DN (80-1000): T400	EN 1856-1:2009
9.8	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
9.9	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

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	Essential Characteristics	Performance	Harmonized technical specification
9.10	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
	Durability:		
9.11	Water and vapour diffusion resistance	Yes if W	EN 1856-1:2009
9.12	Condensate penetration resistance	Model 1 DN (80-1000): Yes Model 2 DN (80-1000): Yes Model 3 DN (80-1000): Yes	EN 1856-1:2009
9.13	Against corrosion	Model 1 DN (80-1000): V2 Model 2 DN (80-1000): V2 Model 3 DN (80-1000): V2	EN 1856-1:2009
9.14	Freeze thaw resistance	Model 1 to 3 DN (80-1000): Yes	EN 1856-1:2009

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Middelburg, 2017-04-01



Marco Blaeke
Managing director

Declaration of Performance	Metaloterm® ME		EN	4/7
No. 00373	EN 1856-2:2009		ME_DoP_00373_EN_G	

1. Unique identification code of the product-type:

Single wall stainless steel system - Metaloterm® ME according to EN 1856-2:2009

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Model 1 DN (ø80-300)	EN 1856-2 T200 P1 W V2 L50050 030	Model 6 DN (ø80-300)	EN 1856-2 T450 N1 D V2 L50050 G
Model 1 DN (ø350-450)	EN 1856-2 T200 P1 W V2 L50060 045	Model 6 DN (ø350-450)	EN 1856-2 T450 N1 D V2 L50060 G
Model 1 DN (ø500-600)	EN 1856-2 T200 P1 W V2 L50060 060	Model 6 DN (ø500-600)	EN 1856-2 T450 N1 D V2 L50060 G
Model 1 DN (ø700)	EN 1856-2 T200 P1 W V2 L50060 0120	Model 6 DN (ø700)	EN 1856-2 T450 N1 D V2 L50060 G
Model 1 DN (ø800-1000)	EN 1856-2 T200 P1 W V2 L50080 0120	Model 6 DN (ø800-1000)	EN 1856-2 T450 N1 D V2 L50080 G
Model 2 DN (ø80-300)	EN 1856-2 T200 P1 W V2 L50050 0	Model 7 DN (ø80-300)	EN 1856-2 T450 N1 D V2 L50050 G400
Model 2 DN (ø350-450)	EN 1856-2 T200 P1 W V2 L50060 0	Model 7 DN (ø350-450)	EN 1856-2 T450 N1 D V2 L50060 G600
Model 2 DN (ø500-600)	EN 1856-2 T200 P1 W V2 L50060 0	Model 7 DN (ø500-600)	EN 1856-2 T450 N1 D V2 L50060 G800
Model 2 DN (ø700)	EN 1856-2 T200 P1 W V2 L50060 0	Model 7 DN (ø700)	EN 1856-2 T450 N1 D V2 L50060 G1600
Model 2 DN (ø800-1000)	EN 1856-2 T200 P1 W V2 L50080 0	Model 7 DN (ø800-1000)	EN 1856-2 T450 N1 D V2 L50080 G1600
Model 3 DN (ø80-300)	EN 1856-2 T200 H1 W V2 L50050 030	Model 8 DN (ø80-300)	EN 1856-2 T600 N1 D V2 L50050 G
Model 3 DN (ø350-450)	EN 1856-2 T200 H1 W V2 L50060 045	Model 8 DN (ø350-450)	EN 1856-2 T600 N1 D V2 L50060 G
Model 3 DN (ø500-600)	EN 1856-2 T200 H1 W V2 L50060 060	Model 8 DN (ø500-600)	EN 1856-2 T600 N1 D V2 L50060 G
Model 3 DN (ø700)	EN 1856-2 T200 H1 W V2 L50060 0120	Model 8 DN (ø700)	EN 1856-2 T600 N1 D V2 L50060 G
Model 3 DN (ø800-1000)	EN 1856-2 T200 H1 W V2 L50080 0120	Model 8 DN (ø800-1000)	EN 1856-2 T600 N1 D V2 L50080 G
Model 4 DN (ø80-300)	EN 1856-2 T200 H1 W V2 L50050 0	Model 9 DN (ø80-300)	EN 1856-2 T600 N1 D V2 L50050 G400
Model 4 DN (ø350-450)	EN 1856-2 T200 H1 W V2 L50060 0	Model 9 DN (ø350-450)	EN 1856-2 T600 N1 D V2 L50060 G600
Model 4 DN (ø500-600)	EN 1856-2 T200 H1 W V2 L50060 0	Model 9 DN (ø500-600)	EN 1856-2 T600 N1 D V2 L50060 G800
Model 4 DN (ø700)	EN 1856-2 T200 H1 W V2 L50060 0	Model 9 DN (ø700)	EN 1856-2 T600 N1 D V2 L50060 G1600
Model 4 DN (ø800-1000)	EN 1856-2 T200 H1 W V2 L50080 0	Model 9 DN (ø800-1000)	EN 1856-2 T600 N1 D V2 L50080 G1600
Model 5 DN (ø80-300)	EN 1856-2 T400 N1 W V2 L50050 0100		
Model 5 DN (ø350-450)	EN 1856-2 T400 N1 W V2 L50060 0150		
Model 5 DN (ø500-600)	EN 1856-2 T400 N1 W V2 L50060 0200		
Model 5 DN (ø700)	EN 1856-2 T400 N1 W V2 L50060 0400		
Model 5 DN (ø800-1000)	EN 1856-2 T400 N1 W V2 L50080 0400		

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Convey the products of combustion from heating appliances to the chimney

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

Ontop B.V.
Postbus 135, 4330 AC Middelburg
Oude Veerseweg 23, 4332 SH Middelburg
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F: +31 (0)118 68 99 99
E: info.nl@ontop.nl

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+ and System 4

7. Notified factory production control certification body No. 0432 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 **0432-CPR-00373-91** of the factory production control.

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8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:
Not applicable

9. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
9.1	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 www.metaloterm.com	EN 1856-2:2009
9.2	Resistance to fire	(Resistance to fire from inside to outside) Model 1 DN (80- 300): T200 - 030 Model 1 DN (350- 450): T200 - 045 Model 1 DN (500- 600): T200 - 060 Model 1 DN (700-1000): T200 - 0120 Model 2 DN (80- 300): T200 - 0 Model 2 DN (350- 450): T200 - 0 Model 2 DN (500- 600): T200 - 0 Model 2 DN (700-1000): T200 - 0 Model 3 DN (80- 300): T200 - 030 Model 3 DN (350- 450): T200 - 045 Model 3 DN (500- 600): T200 - 060 Model 3 DN (700-1000): T200 - 0120 Model 4 DN (80- 300): T200 - 0 Model 4 DN (350- 450): T200 - 0 Model 4 DN (500- 600): T200 - 0 Model 4 DN (700-1000): T200 - 0 Model 5 DN (80- 300): T400 - 0100 Model 5 DN (350- 450): T400 - 0150 Model 5 DN (500- 600): T400 - 0200 Model 5 DN (700-1000): T400 - 0400 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 Model 7 DN (350- 450): T450 - G600 Model 7 DN (500- 600): T450 - G800 Model 7 DN (700-1000): T450 - G1600 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 Model 9 DN (350- 450): T600 - G600 Model 9 DN (500- 600): T600 - G800 Model 9 DN (700-1000): T600 - G1600 Tested without cover, with back ventilated ceiling duct	EN 1856-2:2009

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	Essential Characteristics	Performance	Harmonized technical specification
9.3	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
9.4	Flow resistance of chimney sections fittings and terminals	According to EN 13384-1	EN 1856-2:2009
9.5	Thermal resistance		EN 1856-2:2009
	Thermal shock resistance		
9.6	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 0	EN 1856-2:2009
9.7	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	EN 1856-2:2009
9.8	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
9.9	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
9.10	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
	Durability:		
9.11	Water and vapour diffusion resistance	Yes if W	EN 1856-2:2009

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	Essential Characteristics	Performance	Harmonized technical specification
9.12	Condensate penetration resistance	Model 1 DN (80-1000): Yes Model 2 DN (80-1000): Yes Model 3 DN (80-1000): Yes Model 4 DN (80-1000): Yes Model 5 DN (80-1000): No Model 6 DN (80-1000): No Model 7 DN (80-1000): No Model 8 DN (80-1000): No Model 9 DN (80-1000): No	EN 1856-2:2009
9.13	Against corrosion	Model 1 DN (80-1000): V2 Model 2 DN (80-1000): V2 Model 3 DN (80-1000): V2 Model 4 DN (80-1000): V2 Model 5 DN (80-1000): V2 Model 6 DN (80-1000): V2 Model 7 DN (80-1000): V2 Model 8 DN (80-1000): V2 Model 9 DN (80-1000): V2	EN 1856-2:2009
9.14	Freeze thaw resistance	Model 1 to 3 DN (80-1000): Yes	EN 1856-2:2009

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Middelburg, 2017-04-01



Marco Blaëke
Managing director