

Declaration of Performance	Metaloterm® AM	EN	1/6
No. 00373	EN 1856-1:2009	AM_DoP_00373_EN_H	

1. Unique identification code of the product-type:
Twin walled stainless steel system with insulation - Metaloterm® AM 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 (ø130–300) EN 1856-1 T600 H1 D V2 L50050 O50
 - Model 1 DN (ø350–450) EN 1856-1 T600 H1 D V2 L50060 O75
 - Model 1 DN (ø500–600) EN 1856-1 T600 H1 D V2 L50060 O100
 - Model 1 DN (ø700) EN 1856-1 T600 H1 D V2 L50060 O200
 - Model 1 DN (ø800–1000) EN 1856-1 T600 H1 D V2 L50080 O200

 - Model 2 DN (ø130–300) EN 1856-1 T600 N1 D V2 L50050 G50
 - Model 2 DN (ø350–450) EN 1856-1 T600 N1 D V2 L50050 G75
 - Model 2 DN (ø500–600) EN 1856-1 T600 N1 D V2 L50060 G100
 - Model 2 DN (ø700) EN 1856-1 T600 N1 D V2 L50060 G200
 - Model 2 DN (ø800–1000) EN 1856-1 T600 N1 D V2 L50080 G200
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@metaloterm.com
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-00373-30** 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® AM	EN	2/6
No. 00373	EN 1856-1:2009	AM_DoP_00373_EN_H	

9. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
9.1	Compressive strength Chimney sections, fittings and supports	Sections and fittings: Model 1 to 2 DN (130- 300): up to 30 m Model 1 to 2 DN (350- 450): up to 14 m Model 1 to 2 DN (500- 600): up to 10 m Model 1 to 2 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 (130- 300): T600 – O50 Model 1 DN (350- 450): T600 – O75 Model 1 DN (500- 600): T600 – O100 Model 1 DN (700-1000): T600 – O200 Model 2 DN (130- 300): T600 – G50 Model 2 DN (350- 450): T600 – G75 Model 2 DN (500- 600): T600 – G100 Model 2 DN (700-1000): T600 – G200 Tested without cover, with back ventilated ceiling duct	EN 1856-1:2009
9.3	Gas tightness/leakage	Model 1 DN (130-1000): H1 Model 2 DN (130-1000): 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 2 DN (130-1000): 0,51 m ² K/W tested at 200°C	EN 1856-1:2009
	Thermal shock resistance		
9.6	Sootfire resistance	Model 1 DN (130-1000): No* Model 2 DN (130-1000): Yes * because designated O	EN 1856-1:2009
9.7	Thermal performance under normal operating conditions	Model 1 DN (130-1000): T600 Model 2 DN (130-1000): T600	EN 1856-1:2009
9.8	Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model 1 to 2 DN (130- 300): up to 5 m Model 1 to 2 DN (350- 450): up to 5 m Model 1 to 2 DN (500- 600): up to 5 m Model 1 to 2 DN (700-1000): n.p.d.	EN 1856-1:2009
9.9	Non vertical installation	Model 1 to 2 DN (130-1000): Maximum offset between supports 3 m at 90° (inclined run, maximum distance between two fixations, supports at non vertical installation)	EN 1856-1:2009
9.10	Components subject to wind load	Model 1 to 2 DN (130- 600): Free standing height 3 m above last support Maximum spacing between lateral supports: 4 m Model 1 to 2 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	No	EN 1856-1:2009
9.12	Condensate penetration resistance	Model 1 DN (130-1000): No Model 2 DN (130-1000): No	EN 1856-1:2009

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	Essential Characteristics	Performance	Harmonized technical specification
9.13	Against corrosion	Model 1 DN (130-1000): V2 Model 2 DN (130-1000): V2	EN 1856-1:2009
9.14	Freeze thaw resistance	Model 1 to 2 DN (130-1000): 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® AM	EN	4/6
No. 00373	EN 1856-2:2009	AM_DoP_00373_EN_H	

1. Unique identification code of the product-type:
Twin walled stainless steel system with insulation - Metaloterm® AM 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 (ø130–300) EN 1856-2 T600 H1 D V2 L50050 O50
 - Model 1 DN (ø350–450) EN 1856-2 T600 H1 D V2 L50050 O75
 - Model 1 DN (ø500–600) EN 1856-2 T600 H1 D V2 L50060 O100
 - Model 1 DN (ø700) EN 1856-2 T600 H1 D V2 L50060 O200
 - Model 1 DN (ø800-1000) EN 1856-2 T600 H1 D V2 L50080 O200

 - Model 2 DN (ø130–300) EN 1856-2 T600 N1 D V2 L50050 G50
 - Model 2 DN (ø350–450) EN 1856-2 T600 N1 D V2 L50050 G75
 - Model 2 DN (ø500–600) EN 1856-2 T600 N1 D V2 L50060 G100
 - Model 2 DN (ø700) EN 1856-2 T600 N1 D V2 L50060 G200
 - Model 2 DN (ø800-1000) EN 1856-2 T600 N1 D V2 L50080 G200
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
The Netherlands
T: +31 (0)118 68 99 00
F: +31 (0)118 68 99 99
E: info.nl@metaloterm.com
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-00373-31** 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® AM	EN	5/6
No. 00373	EN 1856-2:2009	AM_DoP_00373_EN_H	

9. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
9.1	Compressive strength Chimney sections, fittings and supports	Sections and fittings: Model 1 to 2 DN (130- 300): up to 30 m Model 1 to 2 DN (350- 450): up to 14 m Model 1 to 2 DN (500- 600): up to 10 m Model 1 to 2 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 (130- 300): T600 – O50 Model 1 DN (350- 450): T600 – O75 Model 1 DN (500- 600): T600 – O100 Model 1 DN (700-1000): T600 – O200 Model 2 DN (130- 300): T600 – G50 Model 2 DN (350- 450): T600 – G75 Model 2 DN (500- 600): T600 – G100 Model 2 DN (700-1000): T600 – G200 Tested without cover, with back ventilated ceiling duct	EN 1856-2:2009
9.3	Gas tightness/leakage	Model 1 DN (130-1000): H1 Model 2 DN (130-1000): 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	Model 1 to 2 DN (130-1000): 0,51 m²K/W tested at 200°C	EN 1856-2:2009
	Thermal shock resistance		
9.6	Sootfire resistance	Model 1 DN (130-1000): No* Model 2 DN (130-1000): Yes * because designated O	EN 1856-2:2009
9.7	Thermal performance under normal operating conditions	Model 1 DN (130-1000): T600 Model 2 DN (130-1000): T600	EN 1856-2:2009
9.8	Flexural tensile strength (only for means of connection for chimney sections and fittings)	Model 1 to 2 DN (130- 300): up to 5 m Model 1 to 2 DN (350- 450): up to 5 m Model 1 to 2 DN (500- 600): up to 5 m Model 1 to 2 DN (700-1000): n.p.d.	EN 1856-2:2009
9.9	Non vertical installation	Model 1 to 2 DN (130-1000): 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 2 DN (130- 600): Free standing height 3 m above last support Maximum spacing between lateral supports: 4 m Model 1 to 2 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	No	EN 1856-2:2009
9.12	Condensate penetration resistance	Model 1 DN (130-1000): No Model 2 DN (130-1000): No	EN 1856-2:2009

Declaration of Performance	Metaloterm® AM	EN	6/6
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	Essential Characteristics	Performance	Harmonized technical specification
9.13	Against corrosion	Model 1 DN (130-1000): V2 Model 2 DN (130-1000): V2	EN 1856-2:2009
9.14	Freeze thaw resistance	Model 1 to 2 DN (130-1000): 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 Blaeke
Managing director