



## DECLARATION OF PERFORMANCE

Issued in accordance with the Construction Products Directive 89/106/EEC

Product: Twin walled stainless steel system chimney products with insulation  
System Metaloterm® AT

Manufacturer: Ontop B.V.  
Oude Veerseweg 23  
4332 SH Middelburg  
The Netherlands

Place of production: Middelburg - The Netherlands

We declare that for the product mentioned above all provisions concerning EN 1856-1 and EN 1856-2 have been applied and that it carries the respective CE marking conform Annex ZA of EN 1856-1 and EN 1856-2.

For the evaluation of conformity the tasks mentioned in table ZA.4 of EN 1856-1 have been accomplished.

The certification of the factory production control is performed by:

**MPA NRW**

Materialprüfungsamt Nordrhein-Westfalen

Marsbruchstraße 186

D-44287 Dortmund

(Kenn-Nr. 0432)

The factory production control certificate number:

**0432-CPD-21999120**

is issued on 2004-08-16.

Middelburg, 2013-01-01

M. Blaeke  
Managing Director



Marking of accompanying documents to EN 1856-1 and EN 1856-2, annex ZA tabel ZA.2

Metal system- chimney section	EN 1856-1	T400	N1	D	V3 L50040	G50	Twin wall chimney system with insulation thickness of 37,5 mm
	EN 1856-1	T600	N1	D	V3 L50040	G50	
	EN 1856-2	T400	N1	D	V3 L50040	G50	
	EN 1856-2	T600	N1	D	V3 L50040	G50	

→	Productdescription
→	Standard number
→	Temperature level
→	Pressure level (N: negative pressure, P: positive pressure, H: High positive pressure)
→	Condensate resistance (W: wet / D: dry)
→	Corrosions-resistance class and flueliner specification
→	Soot fire resistance (G: yes / 0: no) and distance to combustible material (in mm). The clearance to combustible materials applies to flues with a nominal diameter up to and including 300 mm. Regarding flues with a larger nominal diameter, the clearance must be multiplied by a factor, see No. 11 of this declaration.

**Flow resistance**  
Mean value of roughness: 1 mm

**Thermal resistance**  
ø130-250 mm: 0,44 m²K/W  
ø300-400 mm: 0,49 m²K/W  
at designation temperature

**Flexural strength**  
Tensile strength: 5 m  
Non-vertical installation: see website  
Wind load: free standing height above last support: see website  
Maximum spacing of lateral supports: see website

**Freeze-thaw resistance:** Yes



No.	Paragraph according to EN 1856-1	Characteristics and prestations according to EN 1856-1	Results / Class	Document	Additional information
1.0	Par. 5.2	Nominal dimensions (mm):	130, 150, 180, 200, 250, 300, 350, 400 mm	Manufacturers declaration	Sizes see Product Catalogue
2.0	Par. 4 and 5 Par. 6.7.2	Material inner liner Quality: Nominal thickness (min. thickness)	L50040 1.4404 (316L) 0,40 mm (0,36 mm) Tolerances to NEN-EN 10259	Manufacturers declaration	
3.0	Par. 4 and 5 Par. 6.7.2	Material outer wall Quality: Nominal thickness (min. thickness)	L20040 1.4301 (304) ø130-200 mm: 0,40 mm (0,36 mm) ø200-400 mm: 0,50 mm (0,45 mm) Toleranties volgens NEN-EN 10259	Manufacturers declaration	
4.0	Par. 4 and 5	Insulation:	Mineral fibre 150 kg/m <sup>3</sup> 37,5 mm	PZ iBMB Nr. 3982/4894-b Z-23.2.1-127	
5.0	Par. 6.7.4	Sealant			
6.0	Par. 6.2.1	Compressive strength	Chimney height, dimensions and weight support: See website	PQ07003-001 02-N01-261104	See website
7.0	Par. 6.2.2	Tensile strength	5 m	02-N03-261104	
8.0	Par. 6.2.3.2	Wind load	Chimney height, dimensions and load bearing data: See website	01-N05-270710	Product Catalogue and website
9.0	Par. 6.2.3.1	Maximum deflection: Maximum length of the slope:	90° 3,5 m	02-N04-261104	See website



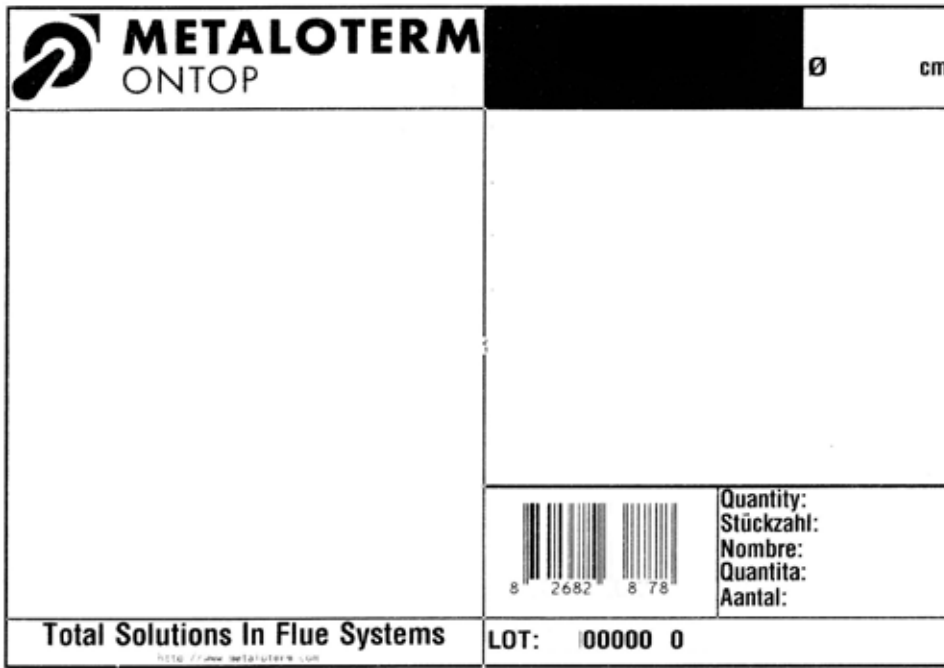
No.	Paragraph according to EN 1856-1	Characteristics and prestations according to EN 1856-1	Results / Class	Document	Additional information
10.0	Par. 6.5	Gas tightness	N1	PB MPA NRW Nr. 31 000 2244	
11.0	Par. 6.3 and 6.4	Distance to combustible materials, class T600/400 and soot fire resistance	ø130-300: 50 mm ø350-400: 75 mm	PB MPA NRW Nr. 31 000 2244 Nr. 31 000 2245 ChimneyLab: 034	Product Catalogue and mounting instructions
12.0	Par. 6.6.2	Accidental human contact	Protection against accidental human contact in public areas to be fitted, in case outer skin temperature > 70°	PB MPA NRW Nr. 31 000 2244 Nr. 31 000 2245	
13.0	Par. 6.6.3	Thermal resistance	ø130-250 mm: 0,44 m²K/W ø300-400 mm: 0,49 m²K/W	02-N10-301104	
14.0	Par. 6.6.5 and 6.6.4	Condensate resistance	No	Manufacturers declaration	
15.0	Par. 6.6.6	Resistance against rainwater penetration	Yes	CSTB Nr. GPE 03-009 Nr. GPE 03-036	
16.0	Par. 6.6.7.1	Mean value of roughness	R = 1 mm	EN 13384-1 (tabel B4)	
17.0	Par. 6.6.7.2	Resistance of chimney fittings		EN 13384-1 (table B8)	
18.0	Par. 6.7.1	Corrosion resistance	V3	PZ MPA NRW Nr: 33 0094 8 83	
19.0	Par. 6.7.3	Freeze-thaw resistance	Yes	EN 1856-1	



No.	Paragraph according to EN 1856-1	Characteristics and prestations according to EN 1856-1	Results / Class	Document	Additional information
20.0		Typical installation drawings		Manufacturers declaration	Productcatalogus, see website
21.0		Method of joining the components		Manufacturers declaration	Mounting instructions
22.0		Method of installing sections or fittings, included supports and accessories		Manufacturers declaration	Mounting instructions, see website
23.0		Direction of flow		Manufacturers declaration	Mounting instructions
24.0		Storage instructions	No corrosive atmosphere	Manufacturers declaration	
25.0		Method of application of any required sealant	Do not remove any sealants	Manufacturers declaration	Mounting instructions
26.0		Minimum distance from the chimney outer surface to the inner surface of the enclosure		National standards	
27.0		Positioning of clean-out and inspection openings		National standards	
28.0		Installation of chimney plate to the chimney, cladding or enclosure	Yes	to EN 1856-1	
29.0		Enclosure/cladding specifications	Combustible when to prevent accidental human contact and to avoid combustible material being placed too close to the chimney. Only non-combustible when to create full fire protection, combined with an approved fire stop in each lead-through.	Manufacturers declaration	
30.0		Cleaning methods or -instruments	No cleaning instruments made of black steel, only stainless steel or plastic	Manufacturers declaration	
31.0		Recommendations on condensate drainage	n/a	Manufacturers declaration and technical standards	

CE-marking on the packaging (Annex ZA 3)

Example of sticker which will be put on each packaging:



The following chimney plate shall be put on the chimney or the enclosure:

