

DECLARATION OF PERFORMANCE

Multi Wall Metal System Chimney | document number | UCG-0168-DoP-9169505 -a

10.10.2022

1. Unique identification code of the product type:

Metal System Chimney
EN 1856-1:2009

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

Model	0.1	T200	P1	W	Vm	L13150	O20
Single wall		Flue side: ALU	Enclosure: none				
Model	0.2	T200	P1	W	Vm	L10150	O20
Single wall		Flue side: ALU	Enclosure: none				
Model	0.3	T200	P1	W	Vm	L13150	O00
Concentric		Flue side: ALU	Enclosure: metal				
Model	0.4	T200	P1	W	Vm	L10150	O00
Concentric		Flue side: ALU	Enclosure: metal				
Model	0.5	T200	P1	W	Vm	L13150	O00
Concentric		Flue side: ALU	Enclosure: plastic				
Model	0.6	T200	P1	W	Vm	L10150	O00
Concentric		Flue side: ALU	Enclosure: plastic				

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

Convey products of combustion from appliances to the outside atmosphere, convey air for combustion where required.

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

Centrotec SE
Am Patbergschen Dorn 9
D – 59929 Brilon

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

Centrotherm Systemtechnik GmbH
 Am Patbergschen Dorn 9
 D – 59929 Brilon
 +49 29 61 / 96 70 - 0

Ubbink Nederland BV
 Verhuellweg 9
 NL – 6984 AA Doesburg
 +31 313 480 200

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

System 2+, System 4

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Approved factory production control certification body No. 0168 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.

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

Not relevant.

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Compressive strength (maximum height)	0.1 (DN60 – DN100) 50 m 0.2 (DN60 – DN100) 50 m 0.3 (DN60/100 – DN100/150) 50 m 0.4 (DN60/100 – DN100/150) 50 m 0.5 (DN60/100 – DN100/150) 50 m 0.6 (DN60/100 – DN100/150) 50 m	EN 1856-1:2009
Resistance to fire (temperature class, sootfire resistance class, distance to combustibles)	0.1 T200 O20 0.2 T200 O20 0.3 T200 O00 0.4 T200 O00 0.5 T200 O00 0.6 T200 O00	EN 1856-1:2009
Gas tightness /leakage (pressure class)	P1	EN 1856-1:2009
Flow resistance of chimney sections (r= mean value of roughness of the inner wall)	0.1 (DN60 – DN100) 1,0 m 0.2 (DN60 – DN100) 1,0 m 0.3 (DN60/100 – DN100/150) 1,0 m	EN 1856-1:2009

	0.4 (DN60/100 – DN100/150) 1,0 m 0.5 (DN60/100 – DN100/150) 1,0 m 0.6 (DN60/100 – DN100/150) 1,0 m	
Flow resistance of chimney fittings (ζ = coefficient of flow resistance)	acc. EN 13384-1	EN 1856-1:2009
Flow resistance of terminals (ζ_F = coefficient of flow resistance for the flue duct) (ζ_A = coefficient of flow resistance for the air duct)	Product specific specification	EN 1856-1:2009
Thermal resistance	0,0 m ² K/W	EN 1856-1:2009
Thermal shock resistance (thermal performance under normal operating conditions, sootfire resistance)	T200, no (designated "O")	EN 1856-1:2009
Flexural tensile strength	N.p.d.	EN 1856-1:2009
Non vertical installation	N.p.d.	EN 1856-1:2009
Components subjected to wind load	N.p.d.	EN 1856-1:2009
Durability (water and vapour diffusion resistance)	Yes	EN 1856-1:2009
Durability (condensate penetration resistance)	Yes	EN 1856-1:2009
Durability (resistance against corrosion)	Vm	EN 1856-1:2009
Durability (freeze thaw resistance)	Yes	EN 1856-1:2009
Wind direction characteristics of terminals	Roof terminals: Typ III A45, Typ III A90 (acc. product specific specification) Chimney covers: Typ III A45 (acc. product specific specification)	
Resistance to rainwater ingress of terminals	Proved	
Resistance to icing of terminals	Proved	

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:
Brlon, 09.02.2021


Thomas Hohmann
Norms and Approval Officer
CENTROTEC SE