

DECLARATION OF PERFORMANCE

N° 001-MG-ALU DoP

1. Unique identification code of the product-type:

M&G System Chimneys with Aluminum flue liner

EN 1856-1: 2009

Aluminum sections, fittings, and terminals

0.1	(Dn 60-250*)	(rigid, single)	(flue)	T200	P1	W	V1	L10/11/13 150	O30
0.2	(Dn 60-150)	(rigid, single)	(flue)	T250	P1	W	V1	L10/11/13 150	O40
0.4	(Dn 60/100-130/200)	(rigid, conc.)	(flue/air)	T200	P1	W	V1	L10/11/13 150	O00
0.4a	(Dn 60/100-100/150, IA)	(rigid, conc.)	(flue/air)	T200	P1	W	V1	L10/11/13 150	O00
0.5	(Dn 60/100-130/200)	(rigid, conc.)	(flue/air)	T250	P1	W	V1	L10/11/13 150	O00
0.6	(Dn 70-150)	(rigid, single)	(flue)	T250	P1	D	Vm	L11070	O40
0.7	(Dn 70-200; NEN 7203)	(rigid, single)	(flue)	T250	N1	D	Vm	L11045/063	O40
0.8	(Dn 250-300)	(rigid, single)	(flue)	T250	N1	D	Vm	L11045/063	O40
0.8a	(Dn 350-400)	(rigid, single)	(flue)	T250	N1	D	Vm	L11045/063	O60
T.1	(Terminal Dn 60/100-100/150)	(roof, wall)	(flue/air)	T120	P1	W	V1	L13 150	O00
T.2	(Terminal Dn 80-80)	(roof)	(flue/air)	T120	P1	W	V1	L13 150	O30
A.1	(Dn 60/100-100/150)	(rigid, conc.)	(flue/air)	T200	P1	W	V1	L13 150	O00

*Only several parts, no complete system

Plus manufacturer's batch or date code: see product marking

2. Intended use/es:

Products for the construction of single wall or concentric system chimneys to convey the products of combustion from heating appliances to the outside atmosphere. Systems 0.4, 0.4a, 0.5, T.1, T.2 and A.1 are also suitable to supply combustion air from the outside.

3. Manufacturer:

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4. Authorized representative:

Not applicable.

5. System/s AVCP:

System 2+.

6. Harmonized standard:

The approved body with No. 0120 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.

7. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
1	Compressive strength		EN 1856-1:2009
	System 0.1, 0.2, 0.4, 0.5, 0.6, 0.7, 0.8 and 0.8a	Maximum height 24 m when using a support bend, unlimited if wall brackets are used every 2 m.	
	System 0.4a	Maximum height 10 m.	
	System T.1, T.2	Not applicable.	
	System A.1	Maximum 2 m.	
2	Resistance to fire (tested fully enclosed with ventilated gap if applicable)		
	System 0.1	T200 O30	
	System 0.2, 0.6, 0.7 and 0.8	T250 O40	
	System 0.8a	T250 O60	
	System 0.4, 0.4a and A.1	T200 O00	
	System 0.5	T250 O00	
	System T.1	T120 O00	
	System T.2	T120 O30	
3	Gas tightness		
	System 0.1, 0.2, 0.4, 0.4a, 0.5, 0.6, T1, T.2 and A.1	P1	
	System 0.7, 0.8 and 0.8a	N1	
4	Flow resistance	Flow resistances acc. to EN 13384-1, see datasheet.	
5	Thermal resistance	0.00 m ² K/W	
6	Thermal shock resistance	No	
7	Flexural tensile strength		
	Non-vertical installation		
	Systems 0.1, 0.2, 0.4, 0.4a, 0.5, 0.6, 0.7, 0.8 and 0.8a	The maximum deflection is 87°. The maximum length of the horizontal part is not limited. One wall bracket should be used per chimney section and every 2 m.	
	System T.1, T.2	For vertical (roof) terminals: not applicable, wall terminals, see instructions.	
	System A.1	Not applicable, only for vertical installation.	
	Wind load for external installation		
	System 0.4, 0.5, T1, T.2 and terminal accessories of system 0.7	Unlimited, brackets should be used per chimney section, see instructions. Free height above last bracket 2 m.	
	System 0.4a	Unlimited, brackets should be used per chimney section, see instructions. Free height above last bracket 1 m.	
	System 0.1, 0.2, 0.6, 0.7, 0.8 and 0.8a	Not applicable, only indoor application.	
	System A.1	Only in combination with corresponding metal outer wall. Maximum height 2 m, use guy-wires for lengths above 1 m.	
8	Resistance against condensation, water vapor diffusion and condensate penetration		
	System 0.1, 0.2, 0.4, 0.4a, 0.5, T.1, T.2 and A.1	Yes	
	System 0.6, 0.7, 0.8 and 0.8a	No	
9	Durability against corrosion		
	System 0.1, 0.2, 0.4, 0.4a, 0.5, T.1, T.2 and A.1	V1	
	System 0.6, 0.7, 0.8 and 0.8a	Vm	
10	Durability against rainwater		
	System 0.4, 0.5, T.1, T.2 and A.1	Yes, system 0.4 and 0.5 only with additional sealant, see instructions. System A.1 only with corresponding metal outer wall.	
	System 0.1, 0.2, 0.4a, 0.6, 0.7, 0.8 and 0.8a	No, only indoor application.	
11	Freeze-thaw resistance	Yes	
12	Dangerous substances	Does not contain dangerous substances.	Relevant national regulations

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 as it has effect in the United Kingdom, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Marc Ligthart | COO M&G Group

Marc Ligthart

Assen (NL), 1 January 2023