



M&G Group®



DECLARATION OF PERFORMANCE

No. 001 - MG - PP DoP

1. Unique identification code of the product-type:

M&G Chimney system with plastic flue liner

EN 14471: 2013 + A1: 2015

PP straight elements, fittings and terminals

0.1	(Dn 60-150)	(rigid, single-wall)	(flue gas)	T120	H1	W 2	O30	LI	E	U
0.2	(Dn 60-100)	(rigid, single-wall)	(flue gas)	T120	H1	W 2	O30	LE	E	U
0.2a	(Dn 80; Safe PP)	(rigid, single-wall)	(flue gas)	T120	H1	W 2	O30	LI	E	U
0.3	(Dn 60/100-150/220)	(rigid, coaxial)	(flue gas/air)	T120	H1	W 2	O00	LI/LE	E	U0
0.3a	(Dn 80/125-100/150)	(rigid, coaxial)	(flue gas/air)	T120	P1	W 2	O00	LE	E	U0
0.4	(Dn 60-130)	(flex, double-wall)	(flue gas)	T120	H1	W 2	O30	LI	E	U
0.5	(Dn 100/180-130/250)	(flex/rigid, coaxial)	(flue gas/air)	T120	H1	W 2	O00	LI	E	U0
0.6	(Dn 60/100-80/125)	(flex, coaxial)	(flue gas/air)	T120	H1	W 2	O00	LI	E	U1
0.8	(Dn 200)	(rigid, single-wall)	(flue gas)	T120	P1	W 2	O30	LI	E	U
0.9	(Dn 60/100)	(rigid, coaxial)	(flue gas/air)	T120	H1	W 2	O00	LI	E	U1
A.1	(Dn 60/100-100/150)	(rigid, coaxial)	(flue gas/air)	T120	H1	W 2	O00	LI/LE	E	U0

For date or production batch number: see product marking

2. Intended use:

Products for construction of single-wall, multi-wall chimneys or concentric chimney systems to convey combustion products from the heating appliance to the outside atmosphere. Systems 0.3, 0.3a, 0.5, 0.6, 0.9 and A.1 are also suitable for the intake of combustion air from outside.

3. Manufacturer:

MUELINK & GROU B.V. P.O. Box 509

9700 AM Groningen, the Netherlands

E: info@mg-flues.com

Burgerhout B.V P.O. Box 77

9400 AB Assen, the Netherlands

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4. Authorised representative: Not applicable.

5. AVCP system/s: System 2+.

6. Harmonised standard:

The notified body No. 0476 carried out the initial inspection of the production and factory production control system, as well as the continuous monitoring, assessment and analysis of the control system itself, and issued the certificate of conformity for the factory production control system.

7. Declared performance/s

	Essential characteristics	Performance	Technical specification
1	Compressive strength		EN 14471: 2013 + A1: 2015
	Systems 0.1, 0.2, 0.2a, 0.3, 0.3a and 0.9	Maximum height 50 m.	
	Systems 0.4 and 0.6	Maximum height 18 m.	
	Systems 0.5	Maximum spacing between brackets: 3.5 m. Maximum length of flexible hose and maximum spacing between wall supports: 12 mt.	
	System 0.8	Maximum height 30 mt., or 50 mt. with brackets every 2 mt.	
	System A.1	Maximum height 2 mt.	
2	Fire resistance (Tested with open cavity if applicable)		
	Systems 0.1, 0.2, 0.2a, 0.4 and 0.8	T120 O30	
	Systems 0.3, 0.3a, 0.5, 0.6, 0.9 and A.1	T120 O00	
3	Gas tightness class		
	Systems 0.1, 0.2, 0.2a, 0.3, 0.4, 0.5, 0.6, 0.9 and A.1	H1	
	Systems 0.3a and 0.8	P1	
4	Flow resistance	In accordance with 13384-1	
5	Heat resistance	0.00 m ² K/W	
6	Thermal shock resistance	No (O)	
7	Flexural strength		
	Horizontal installation		
	Systems 0.1, 0.2, 0.2a, 0.3, 0.3a, 0.8 and 0.9	The maximum length of the horizontal part is unlimited when every element is bracketed. Maximum inclination 87°.	
	Systems 0.4 and 0.6	Shaft installation, maximum inclination 60°.	
	Systems 0.5 and A.1	Not applicable, vertical installation only.	
	Wind action for outdoor installation		
	Systems 0.2, 0.3 and 0.3a	The wall brackets must be used for each element. The maximum height above the last bracket is 1.5 mt.	
Systems 0.1, 0.2a, 0.4, 0.5, 0.6, 0.8 and 0.9	Not applicable, for indoor installation only.		
System A.1	Only in combination with the corresponding external wall in metal. Max height 2 mt., use guy-wires above 1 mt. .		
8	Resistance to condensation, aqueous vapour diffusion and condensation penetration.		
	All systems	Yes (W)	
9	Resistance to corrosion		
	All systems	Class 2	
10	Rainwater resistance		
	Systems 0.2, 0.3, 0.3a and A.1	Yes, system 0.3 only with extra sealant, see instructions. System A.1 only with corresponding external wall in metal.	
	Systems 0.1, 0.2a, 0.4, 0.5, 0.6, 0.8 and 0.9	No, only for indoor installation or ducting.	
11	UV resistance		
	Systems 0.2	Yes (LE)	
	Systems 0.3, 0.3a and A.1	Yes (LE), metal external wall.	
	Systems 0.1, 0.2a, 0.4, 0.5, 0.6, 0.8 and 0.9	No (LI), only indoor installation.	
12	Freeze/thaw resistance	Yes	
13	Class of reaction to fire	Class E	EN 13501-1:2007+A1:2009
14	Dangerous substances	Does not contain hazardous substances.	According to national legislation.

The performance of the above product complies with the declared performance. This declaration of performance is issued in accordance with Regulation (EU) 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Gezienus Hoving | Manufacturing Manager M&G Group Europe

Groningen (NL), 1 February 2020





DECLARATION OF PERFORMANCE

No. 002-AK-PP(s) DoP

1. Unique identification code of the product-type:

AK System Chimneys with plastic flue liner

EN 14471:2013+A1:2015

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

PP sections, fittings, and terminals

0.1	EN 14471 T120 P1 W 1/2 O(30) LI E U
0.2	EN 14471 T120 P1 W 1/2 O(30) LE E U
0.3	EN 14471 T120 P1 W 1/2 O(00) LE E U0
0.4	EN 14471 T120 P1 W 1/2 O(30) LI E U

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

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

Products for the construction of single wall, multi-wall or concentric system chimneys to convey the products of combustion from heating appliances to the outside atmosphere .

Note:- The manufacturer may supply additional information about the intended use of the product.

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

ANT KALIP SAN. VE TİC. A.Ş.
Birlık Organize Sanayi Bölgesi, Tem yanyol, 1 nolu
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Tel. +90 216 593 24 30
Fax. +90 216 593 24 35
Email: antkalip@antkalip.com

Notified body No: 0432

5. Where applicable, name and contact address of the authorized 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+ for sections and fittings, System 4 for terminals

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

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 of the factory production control.



8. Declared performance

	Essential Characteristics	Performance	Harmonized technical specification
1	Compressive strength	max. height: 50 m. Or with wall brackets at every connection the vertical length for all systems is 50 m.	EN 14471:2013 A1:2015
2	Resistance to fire, installed in a shaft with back ventilation		
	System 0.1, 0.2 and 0.4	O(30) 3 cm	
	System 0.3	O(00)0 cm	
3	Gas leakage	P1	
4	Flow resistance:	Flow resistances acc. to EN 13384-1 , see data sheets (available on request)	
5	Thermal resistance	The thermal resistance is 0.00 m ² K/W.	
6	Thermal shock resistance	No	
7	Flexural tensile strength	The maximum length of the horizontal part is not limited. One wall bracket should be used per chimney section.	
8	Non-vertical installation		
	System 0.1, 0.2 and 0.3	The maximum deflection is 87°.	
	System 0.4	The maximum deflection is 60°.	
9	Components subject to wind load	Wall brackets should be used per chimney section. The height above the last bracket: 2 m.	
10	Condensation resistance	Yes	
11	Durability against temperature and chemicals	Temperature class: T(120), condensate resistance class: 2 with Vion seal or class 1 with EPDM seal	
	Durability against moisture and condensate	Condensate class: W	
	Durability against rainwater penetration resistance for insulated chimneys for external installation	Not applicable, systems have no insulation	
	Durability against UV	Only systems 0.2	
	Reaction to fire Class Acc. EN 13501 - 1:2002 A1	Class E	
		Yes	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

ŞAKİR İŞÇİ, | General Manager

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Tuzla/İSTANBUL 01.10.2018