Declaration of Performance

No. DOP 2270-CPR-029

CE

1. Unique identification code of the product types: **2270**

Flexible metal flue liner single wall „MK FLEX" and double wall „MK FLEXx2" EN 1856-2: 2009

2. Identification of the construction product, in accordance with Article 11 § 4:

MK FLEX

Version 1	T600 – N1 – W – Vm	– L50009 – O
Version 2	T200 – P1 – W – Vm	– L50009 – O
Version 3	T600 – N1 – W – Vm	– L50010 – O
Version 4	T200 – P1 – W – Vm	– L50010 – O
Version 5	T600 – N1 – W – Vm	– L50012 – O
Version 6	T200 – P1 – W – Vm	– L50012 – O

MK FLEXx2

Version 7	T600 – N1 – W – V2	– L50009 – G
Version 8	T200 – P1 – W – V2	– L50009 – O
Version 9	T600 – N1 – W – V2	– L50010 – G
Version 10	T200 – P1 – W – V2	– L50010 – O
Version 11	T600 – N1 – W – V2	– L50012 – G
Version 12	T200 – P1 – W – V2	– L50012 – O

3. Use or intended use of the construction product in accordance with the relevant harmonized technical specification as provided by the manufacturer:
Evacuation of combustion products from the furnace to the outside atmosphere

4. Name, company name or trademark and contact address of the manufacturer, in accordance with Article 11 § 5:

MK Sp. z o.o.
ul. Wiśniowa 24
PL 68-200 Żary
Tel: +48684581919; Fax: +48684581914
e-mail: sekretariat@mkzary.pl

5. Name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 §2:
not applicable

6. The system or systems of assessment and verification of constancy of performance of construction product in accordance with Annex V:
System 2+

7. Notified body certifying the factory production control **No 2270**

Eurovent Certita CERTIFICATION

EUROVENT CERTITA CERTIFICATION SAS, 48-50 rue de la Victoire 75009 Paris - France

has carried the initial inspection of the factory and control of factory production and performs the continuous surveillance, assessment and approval of factory production control and on the 09.09.2014 has issued the compliance certificate **No. 2270-CPR-029** for the factory production control.

8. **Declared performance in accordance with EN 1856-2:2009, annex ZA**

Essential characteristics	Performance	Comments
Materials and sheet thicknesses		
Exhaust pipe	**Version 1 and 2:** 1.4404 0,085mm **Version 3 and 4:** 1.4404 0,10 mm **Version 5 and 6**: 1.4404 0,12 mm **Version 7 and 8**: 1.4404 0,085 mm x 2 **Version 9 and 10**: 1.4404 0,10 mm x 2 **Version 11 and 12**: 1.4404 0,12 mm x 2	
Mechanical strength		
Compressive strength	In accordance	
Tensile strength	10 m	
Flexibility	Maximum offset : 30°	
Twist strength	In accordance	
Fire resistance	**Assembly inside incombustible ducting**	
Tightness	**Version 1, 3, 5, 7, 9, 11:** N1 **Version 2, 4, 6, 8, 10, 12:** P1	Working in negative pressure Working in positive pressure
Flow resistance	According to EN 13384-1, R = 1 mm	Normative value: see the method of calculation
Resistance to thermal shock		
Heat load at nominal temperature	**Version 1, 3, 5, 7, 9, 11:** T600 **Version 2, 4, 6, 8, 10, 12:** T200	Test temperature 700° C Test temperature 250° C
Sootfire resistance	**Version 7, 9, 11:**YES (designation G) **Version 1, 2, 3, 4, 5, 6, 8, 10, 12: NOT** (designation O)	
Durability		
Water vapor diffusion and water resistance	YES	
Condensate penetration resistance	YES	
Corrosion resistance	**Version 1-6:** Vm **Version 7-12**: V2	
Freeze-thaw resistance	YES	
Additional information		
Storage conditions	Do not store in corrosive environment	
Methods of cleaning	Do not use the tools of black steel and chemicals (e.g. catalysts, afterburners)	
Installation and assembly	Follow the instructions	

9. The performance of the product identified in points 1 and 2 is consistent with the declared performance in point 8.
This declaration of performance is issued under the sole responsibility of the manufacturer mentioned in point 4.

On behalf of the manufacturer signed:

Kinga Pachnik – Managing Director

Ireneusz Koman – Plant Director

Żary 01-10-2014