

1. Unique identification code of the product types:

Double wall system Chimneys and chimney components made of stainless steel with 50mm heat insulation - System MKD-SE 50 according to EN 1856-1: 2009

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

System MKD-SE 50

01	T600 – N1 – D – V3 – L50060 – G50	DN(120- 200)
02	T450 – N1 – D – V3 – L50060 – G50	DN(120- 200)
03	T450 – N1 – D – V3 – L50060 – G25	DN(120- 200)
04	T600 – N1 – D – V3 – L50060 – G100	DN(120- 200)
05	T600 – N1 – D – V2 – L99060 – G50	DN(120- 200)
06	T450 – N1 – D – V2 – L99060 – G50	DN(120- 200)
07	T450 – N1 – D – V2 – L99060 – G25	DN(120- 200)
08	T600 – N1 – D – V2 – L99060 – G100	DN(120- 200)

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 for standard applications (negative pressure), for gaseous fuels, heating oil and solid fuels (dry)

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

MK Sp. z o.o.

Kadłubia, ul. Kominowa 5
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+ and System 4

7. Notified body certifying the factory production control No 0432

**Materialprüfungsamt Nordrhein-Westfalen
Marsbruchstraße 186; D-44287 Dortmund**

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 has issued the compliance certificate **No 0432-CPR-00095-241** for the factory production control.

8. Declared performance in accordance with EN 1856-1:2009, annex ZA

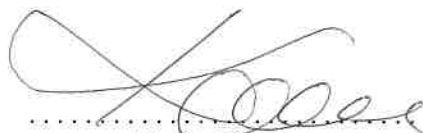
Essential characteristics	Performance	Comments
Materials and sheet thicknesses		
Inner pipe	01, 02, 03, 04: 1.4404 0,6 mm (minimum 0,54 mm) 05, 06, 07, 08: 1.4521 0,6 mm (minimum 0,54 mm)	
Outer pipe	Zinc plated steel DC01ZE 0,60 mm (minimum 0,54 mm) Painted	
Thermal insulation	50mm Pipe L1000 and L500: loose fill mineral fibre, pressure injected, with a nominal density of 170-190 kg/m ³ Pipe L250 and fittings: pre-fabricated tube insulation made of mineral wool. Nominal density 120 kg/m ³ (105-135 kg/m ³)	
Mechanical strength		
Compressive strength Segments of the chimney, fittings and supports	to 23,5 m (mounting directly on the oven)	For more information see the manual
Non-vertical installation	3 m at 45°	The maximum distance between two supports. Locking band on each joint.
Wind load resistance	Not stated	Chimney installed inside a building
Working conditions		
Fire resistance	01, 05 to T600 – G50	Tested in fully ventilated floor penetrations, without lining
	02, 06 to T450 – G50	Tested in fully insulated floor penetrations (250 mm high insulation), without lining
	03, 07 to T450 – G25	Tested in fully ventilated floor penetrations, without lining
	04, 08 to T600 – G100	Tested in double insulated floor penetrations; (200 and 800 mm high insulation). For more information see the manual
Tightness	N1 [leakage rate for 40Pa: less than 2,0 (l s ⁻¹ m ⁻²)]	Working in negative pressure
Flow resistance Fittings and terminals	According to EN 13384-1, R = 1 mm	Normative value: see the method of calculation
Thermal resistance	0,66 m ² K/W	Specified at 200 °C
Resistance to thermal shock		
Heat load at nominal temperature	Version 01, 04, 05, 08: T600	Test temperature 700° C
	Version 02, 03, 06, 07: T450	Test temperature 550° C
Sootfire resistance	Yes (designation G)	Tested at 1000°C (30 min.)

Durability		
Water vapor diffusion and water resistance	Not	
Condensate penetration resistance	Not	
Corrosion resistance	01, 02, 03, 04: V3	For gas, oil and solid fuels (dry running)
	05, 06, 07, 08: V2	For gas, fuel oil and wood (according to EN 1443:2019)
Freeze-thaw resistance	Yes	
Additional information		
Carrying away of condensate	(D) M251 instruction of Sewage Disposal Methods Association	Necessary neutralization of sewage
Storage conditions	Do not store in corrosive environment	
Methods of cleaning	Do not use the tools of black steel	
Position of cleaning openings	(D): According to DIN 18 160	Observe the national regulations
Identification of flue systems	(D): According to DIN 18 160 Durable plate, mounted on installation, housing or casing	Observe the national regulations
Protection against contact	01, 04, 05, 08: Labeling or spacers at temperatures $\geq 80^{\circ}\text{C}$	Painted surface.
	02, 03, 06, 07: Chimney doesn't require any additional safety precautions; the maximum temperature for the surface of the chimney at the T450 $< 80^{\circ}\text{C}$	Painted surface. Test temperature 550°C
Direction of flow	Core pipe female socket upwards	
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 7.
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 28-06-2022