

Declaration of Performance

N° DOP: 0432-CPR-00095-215ST



0432

1. Unique identification code of the product types:

System chimneys and construction parts made of stainless steel with 30mm heat insulation - System MKKD „Standard” according to EN 1856-1: 2009

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

System MKKD – „Standard”

01	T200 – H1 – W – V2 – L99050	– O50	DN(060-300)
		– O75	DN(350-450)
		– O100	DN(500)
01A	T120 – H1 – W – V2 – L99050	– O50	DN(060-100)
02	T600 – N1 – W – V2 – L99050	– G50	DN(060-300)
		– G75	DN(350-450)
		– G100	DN(500)

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
(positive and negative pressure)**

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 **N° 0432-CPR-00095-215** 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	1.4521 from 0,5 mm (minimum 0,45 mm)	Version „A“ type DN: 60, 80, 100
Outer pipe	1.4509, 1.4301 from 0,5 mm (minimum 0,45 mm)	
Thermal insulation	30mm – mineral wool pipe section insulation [density: 105 (-0/+30) kg/m ³] pressure-injected insulation [density: (170-190) kg/m ³]	
Sealing	Seals according to EN 14241-1	For T120 - EPDM gaskets For T200 - Silicone gaskets
Mechanical strength		
Compressive strength Segments of the chimney, fittings and supports	DN (60-250) : to 30 m DN (300-500) : to 25 m	For more information, see the manual
Non-vertical installation	3 m at 45°	The maximum distance between two supports
Wind load resistance	DN (60-500): 4 m	The maximum distance between the two side fixings
	DN (60-500) : 3 m	Free end above the last clamping
Working conditions		
Fire resistance	01: DN (060-300) : doT200 – O50 DN (350-450): do T200 – O75 DN (500): do T200 – O100 Version „A“: DN (060-100) : doT120 – O50 02: DN (060-300) : do T600 – G50 DN (350-450): do T600 – G75 DN (500): do T600 – G100	Tested in fully ventilated floor penetrations
Tightness	01: H1 (leakage rate for 5000Pa: less than 0,006 [l s ⁻¹ m ⁻²] 02: N1 (leakage rate for 40Pa: less than 2,0 [l s ⁻¹ m ⁻²])	Working in positive pressure 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	0,56 m ² K/W	Specified at 200 °C
Resistance to thermal shock		
Heat load at nominal temperature	01: T200 Version „A“: T120 02: T600	Test temperature 250° C Test temperature 150° C Test temperature 700° C

Sootfire resistance	01: Not (designation O)	Tested at nominal temperature
	02: Yes (designation G)	Tested at 1000°C (30 min.)
Durability		
Water vapor diffusion and water resistance	Yes (designation W)	
Condensate penetration resistance	Yes (designation W)	
Corrosion resistance	V2	For gas, fuel oil and wood (open furnace)
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	Labeling or spacers at temperatures $\geq 70\text{ }^{\circ}\text{C}$	
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 21-02-2022

N° DOP: 0432-CPR-00095-215PR

1. Unique identification code of the product types:

System chimneys and construction parts made of stainless steel with 30mm heat insulation - System MKKD „Premium” according to EN 1856-1: 2009

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

System MKKD – „Premium“

01	T200 – H1 – W – V2 – L50060	– O50	DN(060-300)
		– O75	DN(350-450)
		– O100	DN(500)
01A	T120 – H1 – W – V2 – L50060	– O50	DN(060-100)
02	T200 – H1 – W – V2 – L50050	– O50	DN(060-300)
02A	T120 – H1 – W – V2 – L50050	– O50	DN(060-100)
03	T600 – N1 – D – V3 – L50060	– G50	DN(060-300)
		– G75	DN(350-450)
		– G100	DN(500)
04	T600 – N1 – W – V2 – L50060	– G50	DN(060-300)
		– G75	DN(350-450)
		– G100	DN(500)
05	T600 – N1 – W – V2 – L50050	– G50	DN(060-300)

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
(positive and negative pressure)**

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

MK Sp. z o.o.

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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 **N° 0432-CPR-00095-215** 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, 03 and 04 1.4404; 1.4571 from 0,6 mm (minimum 0,54 mm) 02 and 05 1.4404; 1.4571 0,5 mm (minimum 0,45 mm)	Version „A“ type DN: 60, 80, 100
Outer pipe	1.4509, 1.4301 from 0,5 mm (minimum 0,45 mm)	
Thermal insulation	30mm – mineral wool pipe section insulation [density: 105 (-0/+30) kg/m ³] pressure-injected insulation [density: (170-190) kg/m ³]	
Sealing	Seals according to EN 14241-1	For T120 - EPDM gaskets For T200 - Silicone gaskets
Mechanical strength		
Compressive strength Segments of the chimney, fittings and supports	DN (60-250): to 30 m DN (300-500): to 25 m	For more information, see the manual
Non-vertical installation	3 m at 45°	The maximum distance between two supports
Wind load resistance	DN (60-500): 4 m	The maximum distance between the two side fixings
	DN (60-500): 3 m	Free end above the last clamping
Working conditions		
Fire resistance	01, 02: DN (060-300): do T200 – O50 DN (350-450): do T200 – O75 DN (500): do T200 – O100 Version “A”: DN (060-100): do T120 – O50 03 – 05: DN (060-300): do T600 – G50 DN (350-450): do T600 – G75 DN (500): do T600 – G100	Tested in fully ventilated floor penetrations
Tightness	01, 02: H1 (leakage rate for 5000Pa: less than 0,006 [l s ⁻¹ m ⁻²]) 03-05: N1 (leakage rate for 40Pa: less than 2,0 [l s ⁻¹ m ⁻²])	Working in positive pressure 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	0,56 m ² K/W	Specified at 200 °C
Resistance to thermal shock		
Heat load at nominal temperature	01, 02: T200 Version „A”: T120 03 - 05: T600	Test temperature 250° C Test temperature 150° C Test temperature 700° C

Sootfire resistance	01, 02: Not (designation O)	Tested at nominal temperature
	03-05: Yes (designation G)	Tested at 1000°C (30 min.)
Durability		
Water vapor diffusion and water resistance	01, 02, 04, 05: Yes (designation W) 03: Not (designation D)	
Condensate penetration resistance	01, 02, 04, 05: Yes (designation W) 03: Not (designation D)	
Corrosion resistance	03: V3	For gas, fuel oil and solid fuels (dry running)
	01,02, 04, 05: V2	For gas, fuel oil and wood (open furnace)
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	Labeling or spacers at temperatures $\geq 70\text{ }^{\circ}\text{C}$	
Direction of flow	Core pipe female socket upwards	
Installation and assembly	Follow the instructions	

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