

# DECLARATION OF PERFORMANCE

No. DOP: 0432-CPR-00781-10



0432

## 1. Unique identification code of the product types:

Rigid flue liners and connecting flue pipes made of stainless steel "System ADAM EW"  
EN 1856-2: 2009

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

### System ADAM EW – flue liners

Version 304 (D)	T450 – N1 – D – Vm	– L20050 – G	DN(080-250)
		– L20060 – G	DN(300-400)
		– L20080 – G	DN(450-500)
Version 304 (W)	T450 – N1 – W – Vm	– L20050 – G	DN(080-250)
		– L20060 – G	DN(300-400)
		– L20080 – G	DN(450-500)

### System ADAM EW – connecting flue pipes

Version 304 (D)	T450 – N1 – D – Vm	– L20050 – OXXXNM	DN(080-250)
		– L20060 – OXXXNM	DN(300-400)
		– L20080 – OXXXNM	DN(450-500)
Version 304 (W)	T450 – N1 – W – Vm	– L20050 – GXXXNM	DN(080-250)
		– L20060 – GXXXNM	DN(300-400)
		– L20080 – GXXXNM	DN(450-500)

XXX – distance to combustible: 3 x nominal diameter at least 375 mm

NM – not measured value

## 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 (negative pressure)

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

Kratki.pl Marek Bal  
ul. W. Gombrowicza 4  
PL 26-660 Wsola / Jedlińsk  
Tel: +48 389 99 11  
e-mail: detal@kratki.com

**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 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 on the 11.05.2021 has issued the compliance certificate No 0432-CPR-00781-10 for the factory production control.

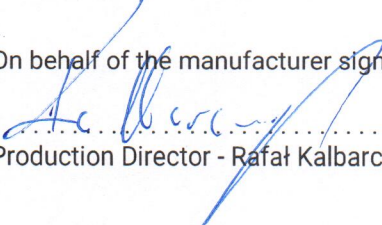
**8. Declared performance in accordance with EN 1856-2:2009, annex ZA**

Essential characteristics	Performance	Comments
<b>Materials and sheet thicknesses</b>		
<b>Exhaust pipe</b>	L20: 1.4301 DN (80-250) 0,5 mm (minimum 0,45 mm) DN (300-400) 0,6 mm (minimum 0,54 mm) DN (450-500) 0,8 mm (minimum 0,72 mm)	
<b>Thermal insulation</b>	Not applicable	
<b>Mechanical strength</b>		
<b>Compressive strength</b> Segments of the chimney, fittings and supports	DN (60-250): to 30 m DN (300-500): to 20 m	For more information, see the manual
<b>Non-vertical installation</b>	3 m at 45°	The maximum distance between two supports
<b>Working conditions</b>		
<b>Fire resistance</b>	YES <b>Flue liner:</b> T450 – G <b>Connecting pipes:</b> T450 - GXXXXNM XXX=3 x DN , at least 375 mm	NM – not measured XXX – distance to combustible (mm)
<b>Tightness</b>	N1 (leakage rate for 40 Pa: less than 2,0 [l s <sup>-1</sup> m <sup>-2</sup> ])	Working in negative pressure

<b>Flow resistance</b> Fittings and terminals	According to EN 13384-1, R = 1 mm	Normative value: see the method of calculation
<b>Resistance to thermal shock</b>		
<b>Heat load at nominal temperature</b>	T450	Test temperature 550°C
<b>Sootfire resistance</b>	YES (designation G)	Tested at 1000°C (30 min)
<b>Durability</b>		
<b>Water vapor diffusion and water resistance</b>	YES (designation W)	
<b>Condensate penetration resistance</b>	YES (designation W)	
<b>Corrosion resistance</b>	Vm	For gas, fuel oil, wood-including non-chemically treated wood pellets. (according to EN 1443:2019)
<b>Freeze-thaw resistance</b>	YES	
<b>Additional information</b>		
<b>Carrying away of condensate</b>	(D) M251 instruction of Sewage Disposal Methods Association	Necessary neutralization of sewage
<b>Storage conditions</b>	Do not store in corrosive environment	
<b>Methods of cleaning</b>	Do not use the tools of black steel	
<b>Position of cleaning openings</b>	(D): According to DIN 18 160	Observe the national regulations
<b>Identification of flue systems</b>	(D): According to DIN 18 160 Durable plate, mounted on installation, housing or casing	Observe the national regulations
<b>Protection against contact</b>	Labeling or spacers at temperatures $\geq 70^{\circ}\text{C}$	EN 1856-1
<b>Direction of flow</b>	Core pipe female socket upwards	
<b>Installation and assembly</b>	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:

  
Production Director - Rafał Kalbarczyk

Jedlińsk 10-07-2024