



## TEST REPORT FOR INITIAL TYPE TESTING

№ 1879-ITT-0054 / 14.11.2025



9.9 Results of calculation of seasonal space heating energy efficiency and seasonal space heating emissions according to item 6.4.2, item 6.3.2, item 6.3.3 (Annex D), item 6.3.4 (Annex E), item 6.3.5 (Annex F) of EN 16510-1:2022 and Regulation (EU) 2015/1185

**Specific ecodesign requirements for solid fuel local space heaters:**

Emissions	Unit	Limits according BDS EN 16510-2-3:2023	Average data	O <sub>2</sub> emission	Fuel
The mean value of carbon monoxide emission (CO)	mg/Nm <sup>3</sup>	item 4.2, Table 2 ≤ 1500	1112	13 % O <sub>2</sub>	Beech wood logs
The mean value of nitrogen oxides emissions (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	item 4.3, Table 3 ≤ 200	82		
The mean value of emission of organic gaseous carbon (OGC)	mg/Nm <sup>3</sup>	item 4.4, Table 4 ≤ 120	75		
The mean value of particulate matter (PM) emissions in the flue gas	mg/Nm <sup>3</sup>	item 4.5, Table 5 ≤ 40	25		
Seasonal energy efficiency	%	item 4.7.7, Table 6 ≥ 65	71,6		



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9.10 Results of calculation energy efficiency index (EEI) and determining energy efficiency class, according to item 6.4.3, item 6.4.4 of BDS EN 16510-1:2023 and Delegated Regulation (EU) 2015/1186

Indicators		Unit	Requirements according BDS EN 16510-2-3:2023	Results
Name of appliance: „Perfect Eco Lux”			Factory № 6485	
Fuel			Beech wood logs	
Heat output	Nominal	kW		7,1
	water	kW		7,1
	space	kW		-
Seasonal space heating energy efficiency	at nominal heat output	%		81,6
	at minimum heat output	%		-
Electric power	at nominal heat output	kW	item 4.7.9	-
	at minimum heat output	kW	item 4.7.10	-
	in standby mode	kW	item 4.7.11	-
The pilot flame consumption		kW		-
The energy efficiency index (EEI)		%	item 4.7.8, Table 7	108
Energy efficiency class				<b>A<sup>+</sup></b>

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Notified Body according Regulation ( EU ) 305/2011 - Identification number: NB 1879  
System of assessment and verification of constancy of performance – System 3



## ASSESSMENT OF PERFORMANCE REPORT

№ 1879-AoP-CPR-0054 / 14.11.2025



For the purposes of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this Assessment of Performance Report under AVCP system 3 applies to the construction product:

According to the manufacturer, the product is made available on the market under the name:  
„Perfect Eco Lux”

The product is a representative of the “Perfect” family.

Appliances belonging to this family are also: „Perfect Eco” and „Retro Eco”.

Description: A cooker with manually controlled regime for operation with closed door

Purpose: For heating of house rooms without hot water tank.

Documentation provided by the manufacturer:

- instructions for installation and operation
- technical drawings of the product and its components

The product is placed on the market under the name of:

Applicant: “Prometey” Ltd., 33 “Trapezitsa” Str., 7700 Targovishte, Bulgaria

Manufacturer: “Prometey” Ltd., 33 “Trapezitsa” Str., 7700 Targovishte, Bulgaria

This Assessment of Performance Report attests that the performance of the above-mentioned construction product has been assessed in accordance with the harmonised standards:

- EN 16510-2-3:2022 “Residential solid fuel burning appliances - Part 2-3: Cookers”;

under AVCP system 3 and Annex ZA tab. ZA.1, EN 16510-2-3:2022 with regard to the essential characteristics listed below:

Essential characteristic				Performance (fuel – beech wood logs)	Basis for the assessment of performance
№	Description	Unit	Method / criterion for assessment according to EN 16510-2-3: 2022		
1	2	3	4	5	6
<b>I.</b>	<b>Safety in case of fire</b>				
1	Protection of combustible materials:		item 4.1		
1.1	♦ minimum distance to combustible materials – side ( $d_S$ )	mm		400	*
1.2	♦ minimum distance to combustible materials – side radiation area ( $d_L$ )	mm		800	*
1.3	♦ minimum distance to combustible materials – rear ( $d_R$ )	mm		500	*
1.4	♦ minimum distance to combustible materials – front ( $d_P$ )	mm		1000	*
1.5	♦ minimum distance to combustible materials – bottom ( $d_B$ )	mm		0	*
1.6	♦ minimum distance to combustible materials – floor in front ( $d_F$ )	mm		500	*
1.7	♦ minimum distance to combustible materials – ceiling ( $d_C$ )	mm		900	*
1.8	♦ Protective insulation material and thickness	mm		NA	-
<b>II.</b>	<b>Hygiene, health and the environment</b>				
<b>1</b>	<b>At nominal heat output:</b>				
1.1	Carbon monoxide emission (CO) at 13%O <sub>2</sub>	mg/Nm <sup>3</sup>	item 4.2, Table 2	1112	*