

## KONTROL 94 Ltd.

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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

№ 2719.1/2017



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: Metal Top 2**

**Description:** An appliance with intermittent burning 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 13240:2006 "Residential solid fuel burning appliances - Part 2-1: Roomheaters";

**under AVCP system 3 and Annex ZA tab. ZA.1, EN 13240:2006 with regard to the essential characteristics listed below:**

Essential characteristic					
№	Description	Unit	Method / criterion for assessment according to EN 13240:2006	Performance (fuel – beech wood logs)	Basis for the assessment of performance
1	2	3	4	5	6
I.	<b>Mechanical resistance and stability</b>				
1	Load bearing capacity	kg	item 4.1	20	declared by the manufacturer
II.	<b>Safety in case of fire</b>				
1	Protection of combustible materials:		item 4.2		
1.1	♦ minimum distance to combustible materials – side ( $d_s$ )	mm		500	*
1.2	♦ minimum distance to combustible materials – side radiation area ( $d_L$ )	mm		500	*
1.3	♦ minimum distance to combustible materials – rear ( $d_R$ )	mm		500	*
1.4	♦ minimum distance to combustible materials – front ( $d_P$ )	mm		900	*
1.5	♦ minimum distance to combustible materials – bottom ( $d_B$ )	mm		-	*
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		850	*



Testing laboratory at „Kontrol 94” Ltd.

TEST REPORT FOR INITIAL TYPE TESTING

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9.8 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 13240:2006 and Regulation (EU) 2015/1185

Specific ecodesign requirements for solid fuel local space heaters:

Emissions	Unit	Limits according EN 13240:2006	Average data	O <sub>2</sub> emission	Fuel
The mean value of carbon monoxide emission (CO)	%	item 4.3, Table 2 ≤ 1500	0.1703		Beech wood logs
The mean value of nitrogen oxides emissions (NO <sub>x</sub> )	%	item 4.4, Table 3 ≤ 200			
The mean value of emission of organic gaseous carbon (OGC)	%	item 4.5, Table 4 ≤ 120			
The mean value of particulate matter (PM) emissions in the flue gas	%	item 4.6, Table 5 ≤ 40			
Seasonal energy efficiency – $\eta_s$	%	item 4.8.7, Table 6 ≥ 65	72.10		



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9.9 Results of calculation energy efficiency index (EEI)  
and determining energy efficiency class, according to item 6.4.3, item 6.4.4 of  
EN 13240:2006 and Delegated Regulation (EU) 2015/1186

Indicators		Unit	Requirements according EN 13240:2006	Results
Name of appliance: Metal Top 2				
Fuel			Beech wood logs	
Heat output	nominal	kW		7.57
	space	kW		7.57
	water	kW		-
Efficiency - $\eta$	at nominal heat output	%		72.10
	at part load heat output	%		-
Electric power	at nominal heat output	kW	item 4.8.9	-
	at part load heat output	kW	item 4.8.10	-
	in standby mode	kW	item 4.8.11	-
Consumption of a permanent ignition flame		kW		-
The energy efficiency index (EEI)		%	item 4.8.8,	-
Energy efficiency class			Table 7	A