



CONSTRUCTION PRODUCTS REGULATION DECLARATION OF PERFORMANCE

No: DoP – 0009-2024

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| 1 | Product identification: | Multi-firing sauna stoves fired by natural wood logs |
| 2 | Type: | Hotrock 12, Hotrock 20, Etna 12, Etna 18 |
| 3 | Intended use: | These stoves are intended for heating of the saunas with sufficient supply of combustion air |
| 4 | Name and contact address of the manufacturer: | Sia " SM GLOBAL "
Latgales street 322 R.LV-1063 Riga Latvia
Tel.: +37127650533
E-mail: info@smglobal.lv |
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| 5 | System of assessment and verification of constancy of performance (AVCP): | System 3 |
| 6 | Harmonized standard: | EN 15821:2010 |
| | Notified body: | Engineering Test Institute, Public Enterprise, NB 1015
Hudcova 424/56b 62100 Brno, Czech Republic
Testing Laboratory 1045.1, Workplace 1, accredited by the Czech Accreditation Institute |
| | Test report: | 39-17861/1/T, 39-17861/2/T, 39-17861/3/T, 39-17861/4/T, Issue date: 2024-07-31 |
| 7 | Declared performance: | Basic technical data of sauna stoves are presented in Table 1.

Performance of Multi-firing sauna stoves fired by natural wood logs, types Hotrock 12, Hotrock 20, Etna 12, Etna 18, according requirements of harmonized standard EN 15821:2010 are presented in Table 2. |

Table 1. Basic technical data of sauna stoves

Model	Designe	Main dimensions (mm)			Nominal output (kW)	Fuel consumption (kg/h)	Flue gas connector diameter (mm)	Operating draught (Pa)
		Height	Width	Dept		Wood		
Hotrock	Hotrock 12	605	423	650	12.5	4.8	115	13
	Hotrock 20	753	478	738	18.8	6.9	115	11
	Hotrock12(Grid)	605	423	650	12.5	4.8	115	13
	Hotrock20(Grid)	753	478	738	18.8	6.9	115	11
Etna	Etna 12	670	423	650	12.5	4.8	115	13
	Etna 18	753	478	738	18.4	6.9	115	11
	Etna 12(Barrel)	670	423	650	12.5	4.8	115	13
	Etna 18 (Barrel)	753	478	738	18.4	6.3	115	16

Table 2. Performance of Multi-firing sauna stoves.

Essential characteristics		Performance	Harmonised technical specification
Fire safety			
Reaction to fire		Class A1	EN 15821:2010
Distance from combustible materials		Minimum distances, in mm Rear wall = 300/350 Side walls = 300/350 Above = 1200/1000 Front wall = 500/400	
Risk of the burning fuel falling out		Pass	
Emission of flue gases	Wood	CO = 0.2039-0,2629 (%)	
Surface temperature		Pass	
Cleanability		Pass	
Flue gas temperature at nominal heat output	Wood	T = 558-582(°C)	
Mechanical robustness (to carry a chimney/flue)		NPD	
Heat output			
Nominal heat output		12,2-18,8kW	

Space heating output	10-20kW
Refuelling loads	4,8-6,9kg
Flue gas mass flow	13,8-22,1g/s
Energy efficiency	Q =59,5- 66,7(%)

- 8 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by :

Edgars Vanags CEO Sia "SM Global" <i>Rīga</i> <u>31.07.2024</u> Issue place and date	 SIA SM Global Reg. numurs: 4003969700 PVN numurs: LV40103969700 Maskavas iela 322, Rīga, Latvia, LV-1063 AS "Swedbank", SWIFT: HABALV22 IBAN: LV43HADA0551041316587
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