



IRONWOOD

DECLARATION OF PERFORMANCE

MANUFACTURER: TOPSTAK LTD

ADDRESS: UNIT 42, VALE BUSINESS PARK, LLANDOW, COWBRIDGE, CF71 7PF

APPLIANCE: IRONWOOD 5KW WIDE WOODBURNING STOVE

DOCUMENT NUMBER: IRWP 22.06.2021

PERFORMANCE TEST RESULTS:

Wood Results, 0.80 hour refuels, All efficiencies in table are Net values

Parameter		A21/95-1	A21/95-2	A21/95-3	Mean
Test Duration	h	0.78	0.80	0.78	0.79
Total Efficiency	%	80.1	80.9	79.8	80.3
Nominal heat output	kW	5.0	4.9	5.0	5.0
Mean CO ₂ emission	%	9.8	10.4	10.7	10.3
Mean CO emission	%	0.11	0.09	0.11	0.10
Mean CO emission (at 13 % O ₂)	%	0.09	0.07	0.08	0.08
Mean flue gas temperature	°C	250	255	273	259
Flue gas mass flow	g/s	4.6	4.3	4.2	4.4

Mean CnHm (at 13 % O ₂)	Nmg/m ³	73	64	88	75
Mean NO _x (at 13 % O ₂)	Nmg/m ³	77	87	91	85
Particulates (at 13 % O ₂)	Nmg/m ³	27	26	25	26

TESTED IN CONFORMITY WITH BSEN 13240:2001 + A2 BY KIWA LTD. KIWA HOUSE, MALVERN VIEW BUSINESS PARK, STELLA WAY, CHELTENHAM, GL52 7DQ UKAS TESTING LABORATORY NO. 0558 REPORT NO. 61465

TEMPERATURE SAFETY TESTING – Minimum Distance to Combustible Material

REAR WALL 600mm

SIDE WALL 300mm

MAXIMUM HEARTH TEMPERATURES

DIRECTLY UNDER STOVE 54°C

225MM IN FRONT OF STOVE 118°C

300MM IN FRONT OF STOVE 109°C

400MM IN FRONT OF STOVE 92°C

SIGNED FOR ON BEHALF OF THE MANUFACTURER BY ADAM PEDERSEN 22ND JUNE 2021