



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 C _n H _m (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. 0692 PROJECT 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