

report

AS/NZS 2918:2001 SOPHEL INBUILT CONFORMANCE CRITERA

Client: Albury Consolidated Industries

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Date: 24/02/2010

Appliance: Sophel Inbuilt wood heater/ hydronic boiler

Test Fuel: Wood Only

Warning: All inbuilt Sophel units must be installed in a non-combustible enclosure with clearances as per the installation drawings supplied with each unit.

Note: The enclosure requires air vents to be located a minimum of 300mm below the ceiling height of the room in which the enclosure is constructed.

Floor Protector: Tested with 30mm thick sheet of fibre-cement (3 x 10mm thick sheets) with a thermal conductivity of 0.23 W/m.K underneath the heater and extending 600mm in front and 200mm from the sides of the firebox door opening. The floor protector has an air gap to the floor of 25mm with supports at 290mm spacing, running front to back.

Flue System: 1. Fully inbuilt non-combustible enclosures terminating above the roof as per a normal chimney:- Requires a standard 200mm active flue pipe terminating with ventilated chimney cap and cowl (REF: drawing CH 8-Left Hand Example).

2. Non-combustible enclosures terminating below the roof: - Should be capped with a minimum of 12mm compressed sheeting, supported if required by steel lintel(s). 200mm active flue pipe may be used within the non-combustible enclosure and vented double casing (I.E. Triple skin) starting from a minimum of 150mm below the top of the enclosures compressed sheet capping and covering the active flue to its termination with an approved vented cowl, the required distance above the roof so as to comply with AS/NZS 2918:2001 (REF: CH 8-Right Hand Example)