

PRODUCT

Designated Building Product	Class 1	Manufacture Location	New Zealand
Name	Escea TC950 Wood Fireplace	Legal and Trading Name of Manufacturer	Escea Ltd
Line	Escea Indoor Wood Fireplaces	Manufacturer Address for Service	17 Carnforth St, Dunedin 9018
Identifier	Escea TC950 Wood Fireplace	Manufacturer Website	https://www.escea.com/nz/
		Manufacturer Email	info@escea.com
		Manufacturer Phone Number	(03) 478 8220
		Manufacturer NZBN	9429036562480

DECLARATION

Escea Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations.

PRODUCT DESCRIPTION

The TC950 Wood Fireplace is an in-built, slow combustion, solid fuel fireplace intended for indoor use. This in-built wood burning fireplace contains a glass fronted, mild steel firebox with a 750mm log width capacity. The TC950 wood fireplace is designed to be installed in a zero clearance kit to achieve clearances to combustible materials. Suitable for heating rooms up to 220m² in volume.

The flue system comprises a direct vent system, where combustion air is drawn from the exterior of the building and is pre-warmed before entering the firebox. This lowers flue temperatures and increases overall room efficiency. Chimney cavity is to have minimum opening dimensions of 1264mm W x 2400mm H x 570mm D. Damper control for the supply of air to the firebox, during operation and refueling, forms part of the fixed components to the exterior of the Fireplace.

The TC950 is intended for rural installations where compliance with NES Air Quality standards is not required.

Tested to AS/NZS2918.2001 Appendix B and Appendix F, for clearance to combustibles.

SCOPE OF USE

The TC950 Wood fireplace is intended to be used within residential dwellings, and small commercial premises. It is capable of heating spaces up to 220m² in floor area (subject to specific building design). Ideally such spaces should be open plan areas, to maximise the free flow of heated air throughout.

This fireplace is intended to be installed within a timber framed chimney cavity, utilising a vented Zero Clearance Kit and with a fully non-combustible floor or hearth below. Hearth dimensions should be in accordance with the manufacturer's instructions.

The flue pathway should be located directly above the fireplace, within minimal offsets to ensure adequate flue draw. Flue diameter within the cavity is 250mm.

The TC950 is intended for rural installations only, where compliance with NES Air Quality standards is not required.

CONDITIONS OF USE

TC950 wood fireplace must be installed to AS/NZS2918 and the manufacturer's instructions. These instructions are supplied with the fireplace and can be downloaded from the Escea Website: www.escea.com/nz/service-and-technical/fireplace-specifications/.

When installed into a timber framed chimney cavity, the TC950 must be installed into a Zero Clearance Kit. Chimney cavity is to have minimum opening dimensions of 1264mm W x 2400mm H x 570mm D.

This fireplace must be operated with an Escea proprietary flue kit and components.

SUPPORTING DOCUMENTATION

The following additional documentation supports this declaration.

Escea TC950 Installation Manual (Design, Installation, Maintenance, Warranty)	630591_4	https://www.escea.com/nz/service-and-technical/fireplace-specifications/
Escea TC950 Builders and Architect Information Sheet (Design, Installation)	630657_2	https://www.escea.com/nz/service-and-technical/fireplace-specifications/

RELEVANT BUILDING CODE CLAUSES

B2 Durability - B2.3.1 (b)

C2 Prevention of Fire Occurring - C2.2, C2.3

F2 Hazardous Building Materials - F2.3.1

G4 Ventilation - G4.3.3 (i), G4.3.5

G9 Electricity - G9.3.1

CONTRIBUTIONS TO COMPLIANCE

B2 Durability

Escea TC950 complies with *NZBC B2.3.1 (B)* having a durability of 15 years when installed and operated in accordance with the manufacturer's instructions, and not exposed to moisture.

Regular maintenance as indicated within the manufacturer's instructions, will allow for failure to be detected for hidden components, such as flue systems.

C2 Prevention of Fire Occurring

Escea TC950 has been tested to, and complies with *AS/NZS2918, Appendix B* and *Appendix F*. Installation following the manufacturer's instructions, including the compulsory TC950 Zero Clearance Kit, will ensure compliance with *NZBC Acceptable Solution C/AS1*, for clearances to combustible materials.

F2 Hazardous Building Materials

Escea TC950 Wood Fireplace is inert and safe when handled.

The fireplace must be installed with a flue system fixed and operational. There are no requirements for this product for compliance with *NZBC Acceptable Solution F2/AS1*.

G4 Ventilation

Escea TC950 Wood Fireplace must be installed with a flue system fixed and operational, and the fireplace operated with the door closed. This ensures that products of combustion are removed from a building and conforming to *NZBC Clause G4.3.3 (i)*.

Escea TC950 Wood Fireplace is a direct vent fireplace taking combustion air from outside the building. No ventilation of the building is required to compensate for combustion air removal. Additional room ventilation may be required for the Zero Clearance Kit as it passes through the chimney cavity. This can be provided by windows or other openings with a net open-able area of 5% of the floor area of the space, to conform with *Acceptable Solution G4/AS1 Sec. 1.3.2*.

G9 Electricity

Escea TC950, uses an integrated fan to distribute heated convection air. This electrical component is tested to, and complies with, *AS/NZS 60335.2.102 Schedule 4, Report No. 8463*. This complies with the *Electrical (Safety) Regulations 2010*, which forms the Verification Method for *NZBC G9/VM1*.

RESPONSIBLE PERSON

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that Escea TC950 Wood Fireplace is not subject to a warning or ban under s26 of the Building Act.

Signed for and on behalf of Escea Ltd:

James Fisher

Chief Innovation Officer - Escea Fireplace Company

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