

12 November 2020

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Dear Sir/Madam

**RESOURCE MANAGEMENT ACT 1991
NOTICE OF AUTHORISATION OF SOLID FUEL BURNING EQUIPMENT**

**Appliance: Escea, Spartherm ES1-P7S
Authorisation Number: 211186**

The decision of the Committee of Environment Canterbury is to authorise the use and installation of the above listed appliance within the Clean Air Zones of Christchurch and Canterbury for use with the fuels and conditions as specified.

Solid Fuel burners that have been authorised as complying with the provisions of Schedule 9 of the Canterbury Air Regional Plan may be checked at any time, but generally after a period of five years from authorisation and every five years thereafter. This is to ensure continued compliance of the appliances with the original authorisation.

The compliance check will also verify that any additional laboratory tests that have been undertaken for whatever reason indicate continued compliance with the provisions of Schedule 9 of the Canterbury Air Regional Plan and the National Environmental Standards.

The Canterbury Regional Council will assess the burner through liaising with the manufacturer who in keeping good faith is expected to ensure that there is no variation between the model supplied for testing and the model produced and sold.

CONDITIONS:

- 1 The only fuel to be used in this appliance shall be wood that meets the following criteria:
 - a. Less than 25% moisture (dry weight);
 - b. Has not been treated with preservatives or impregnated with chemicals or glue;
 - c. Is not chipboard, particle board, or laminated board; and
 - d. Is not painted, stained or oiled.

- 2 The appliance shall be operated at all times in accordance with the "Instruction Manual New Zealand – Freestander – ES1-P7S" supplied with each appliance.

- 3 There shall be no wetback fitted to the appliance.

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- 4 There shall be a circulation fan fitted to the appliance and hard-wired into an appropriate 230- 240V electricity connection at the time of installation. The fan shall be operated in conjunction with the use of the fire, at all times.
- 5 A permanent label shall be attached to each appliance in a position that is readily visible after installation. The label shall contain the following information:
- a. The manufacturer of the appliance (Spartherm Feuerungstechnik GmbH);
 - b. The unique model name (Escea, Spartherm ES1-P7S);
 - c. The unique serial number of the appliance;
 - d. The number of the test report in which the appliance is described (Spectrum Laboratories Report 0504);
 - e. The name and address of the testing agency (Spectrum Laboratories, 1/25 Highbrook Drive, East Tamaki, Auckland);
 - f. The year in which the appliance was tested (2020);
 - g. The authorisation number (CRC211186);
 - h. The approved fuel for use in the heater (softwood);
 - i. The measured (average) particulate emission rate in grams per kilogram (0.79 g/kg);
 - j. The measured emission rate per unit of useful heat output (59 mg/MJ);
 - k. The percentage measure of thermal efficiency (67%);
 - l. The maximum average heat output tested (7.03 kW);
 - m. The range of average heat outputs tested (6.22 – 7.03 kW);
 - n. The statement “Performance may vary from test values depending on the actual operating conditions”; and
 - o. Space to allow the installer to place the date of installation.
 - p. The statement “This fire must only be operated when connected to a power supply”.
- 6 This approval applies only to the specific model described in the testing reports, documents and drawings accompanying the application for authorisation.
- 7 **Advice note:**
- Any necessary building consents, for the installation of the appliance, must be obtained from the appropriate district or city council.

If you need more assistance, please do not hesitate to contact our Customer Services Section by telephoning (03) 353 9007, 0800 ECINFO (0800 324 636) or by visiting our website at:

<http://ecan.govt.nz/services/online-services/Pages/authorised-solid-fuel-burners.aspx>

Yours sincerely



Alice Wills
Business Support Administrator