

# CON301: APPLICATION FOR AUTHORISATION OF AN ULTRA LOW EMISSION BURNER OR LOW EMISSION BURNER OR PELLET FIRE

If you need help in filling out this form please contact our Customer Services staff on (03) 353-9007 or toll free 0800 EC INFO (0800 324 636). They will be able to provide some general assistance. Further information is also available by contacting [burner.authorisation@ecan.govt.nz](mailto:burner.authorisation@ecan.govt.nz)

Send the completed application to: *Environment Canterbury, PO Box 345, Christchurch 8140, or email [burner.authorisation@ecan.govt.nz](mailto:burner.authorisation@ecan.govt.nz).*

FOR OFFICE USE ONLY

Updated on database:

Date:

## 1. Applicant's details

Registered Company name and number:

Postal address:

Postcode:

Phone (home):

Phone (business):

Fax (home):

Fax (business):

Email:

Cellphone:

Contact person:

- You must declare by ticking this box if you are an Environment Canterbury staff member, an Environment Canterbury Commissioner/Councillor or a family member of either.

## 2. Manufacturer's details (if different from above)

Contact person:

Company:

Postal address:

Postcode:

Email:

Phone:

Fax:

## 3. Application details

\* Full name of appliance(s) for which authorisation is sought:

Authorisation being sought:

- 3.1 Authorisation of an Ultra-Low Emission Burner  
 3.2 Authorisation of an enclosed burner (Low Emission Burner)  
 3.3 Authorisation of a wood pellet fire

Applicants seeking authorisation of an ultra-low emission burner and also seeking to have the burner authorised for installation as a low emission burner in regions other than Canterbury airsheds should tick boxes 3.1 and 3.2.

\*Please fill in this section with the correct and exact full name of appliance, as this is the name that the Authorisation document will be issued under.

**To enable the prompt processing of this application, please ensure you have enclosed with this form the following:**

- For an Ultra-Low Emission Burner:

Emissions and efficiency testing reports for each model. Testing shall be in accordance with Canterbury Regional Council Method 1 (version 1.6), or alternative methods by prior agreement of Environment Canterbury. For further information on which methods may be acceptable, please contact the Consents Section of Environment Canterbury. Any departures from the test method should be identified and explained by the testing agency. Separate test reports are required for each variation of an appliance (e.g. with or without wetback, freestanding or in-built).

- For an enclosed burner (Low Emission Burner):

Emissions and efficiency testing reports for each model. Testing shall be in accordance with AS/NZS 4012:2014 and AS/NZS 4013:2014 with information reported as specified in AS/NZS 4013 Section 8. Any departures from the standards should be identified and explained by the testing agency. Separate reports are required for each variation of an appliance (e.g. with or without wetback, freestanding or in-built). For appliances that are excluded from these test methods, consideration may be given to testing methods that are "functionally equivalent" to AS/NZS 4012:2014 and AS/NZS 4013:2014. For further information on which methods may be acceptable, please contact the Consents Section of Environment Canterbury.

- For a pellet burner:

Emissions and efficiency testing reports for each model. Testing shall be in accordance with AS/NZS 5078:2007 and AS/NZS 4886:2007, with information reported as specified in AS/NZS 4886:2007 Section 8. Any departures from the standards should be identified and explained by the testing agency. Authorisation may be obtained using test methods that are "functionally equivalent" to AS/NZS 5078:2007 and AS/NZS 4886:2007. For further information on which methods may be acceptable, please consent the Consents Section of Environment Canterbury.

- Design drawings and detailed description of the appliance (and water booster if fitted including part identification numbers), which match the specifications of the test model to the production model. All dimensions in drawings shall be in millimetres. Tolerances shall be stated in all drawings, except for pellet fires.
- Current installation and operating instructions. Information must be consistent with test reports and clearly state authorised fuel and fuel loading patterns. Operating instructions should not state or imply that other than authorised fuels may be used.
- Current sales brochure. Information in the brochure shall be consistent with other documents provided.
- Proposed authorisation label, and details as to how and where it is to be attached. This label shall include the required information listed on pages 3 to 5.
- Advice as to where an example of a production model, as tested, can be examined in Christchurch.

**4.** 4.1 I agree to pay all reasonable costs incurred by the Canterbury Regional Council in receiving, processing and deciding this application.

4.2 I confirm that the information provided with the application is correct and I understand that the provision of any inaccurate information may cause an authorisation to be reviewed or to be cancelled.

\_\_\_\_\_  
Signature of Applicant or duly authorised agent

\_\_\_\_\_  
Date

## ULTRA LOW EMISSION BURNER LABEL REQUIREMENTS

**Manufacturer:**

**Model:**

**Date checked:**

The following are the label requirements to ensure that the ULEB authorisation is consistent with the provisions of Schedule 9 of the Canterbury Air Regional Plan and the testing results.

The following information shall be marked, in a permanent and legible manner, on one or more plates permanently attached to the appliance in a position that is **readily visible after installation**

### Information required as a condition of authorisation:

1. The name of the manufacturer
2. The unique model name
3. The unique serial number of the appliance.
4. The number of the test report in which the appliance is described.
5. The authorisation number.
- (Note: The actual authorisation number will not be known. Please indicate the space where it will go.)
6. The statement "Performance may vary from test values depending on the actual operating conditions."
7. The approved fuel for use in the heater.
8. The measured (average) particulate emission rate in grams per kilogram (g/kg) when tested in accordance with CM1.6.
9. The measured emission rate per unit of useful heat output (mg/MJ) when tested in accordance with CM1.6.
10. The percentage measure of thermal efficiency (%) when tested in accordance with CM1.6.
11. The range of average minimum and maximum (not peak) heat outputs tested.
12. Space to allow the installer to place the date of installation.

**NOTE: These labelling requirements may be included or combined on a label with other information or marking that may be stipulated in the relevant testing standards.**

**BURN ONLY UNTREATED WOOD WITH MOISTURE CONTENT OF LESS THAN 25% (DRY BASIS)**

## LOW EMISSION BURNER LABEL REQUIREMENTS

**Manufacturer:**

**Model:**

**Date checked:**

The following are the label requirements to ensure that the authorisation is consistent with the provisions of Schedule 9 of the Canterbury Air Regional Plan and the standards (AS/NZS 4012/4013:2014) and include any additional information determined to be necessary.

The following information shall be marked, in a permanent and legible manner, on one or more plates permanently attached to the appliance in a position that is **readily visible after installation**.

### Information required as a condition of authorisation:

1. The name of the manufacturer.
2. The unique model name.
3. The unique serial number of the appliance.
4. The number of the test report in which the appliance is described.
5. The authorisation number. 

**(Note:** The actual authorisation number will not be known. Please indicate the space where it will go).
6. The statement "Performance may vary from test values depending on the actual operating conditions."
7. The approved fuel for use in the heater.
8. The measured (average) particulate emission rate in grams per kilogram (g/kg) when tested in accordance with AS/NZS 4013:2014.
9. The measured emission rate per unit of useful heat output (mg/MJ) when tested in accordance with AS/NZS 4012/4013:2014.
10. The percentage measure of thermal efficiency (%) when tested in accordance with AS/NZS 4012:2014.
11. The range of average minimum and maximum (not peak) heat outputs tested.
12. Space to allow the installer to place the date of installation.

**NOTE: These labelling requirements may be included or combined on a label with other information or marking that may be stipulated in the relevant testing standards.**

**BURN ONLY UNTREATED WOOD WITH MOISTURE CONTENT OF LESS THAN 25% (DRY BASIS)**

## PELLET FIRE LABEL REQUIREMENTS

**Manufacturer:**

**Model:**

**Date checked:**

The following are the label requirements to ensure that the authorisation is consistent with the provisions of Schedule 9 of the Canterbury Air Regional Plan and the standards (AS/NZS 5078:2007 and AS/NZS 4886:2007 or functional equivalent) and include any additional information determined to be necessary.

The following information shall be marked, in a permanent and legible manner, on one or more plates permanently attached to the appliance in a position that is **readily visible after installation**.

### Information required as a condition of authorisation:

1. The name of the manufacturer.
2. The unique model name.
3. The unique serial number of the appliance.
4. The numbers of the relevant test reports, the names of the testing agency(s), and the Standards used for testing.
5. The authorisation number.   
 (**Note:** The actual authorisation number will not be known. Please indicate the space where it will go).
6. The statement "Performance may vary from test values depending on the actual operating conditions."
7. The approved fuel for use in the heater.
8. The measured (average) particulate emission rate in grams per kilogram (g/kg) when tested in accordance with AS/NZS 4886:2007.
9. The measured emission rate per unit of useful heat output (mg/MJ) when tested in accordance with AS/NZS 4886:2007 and AS/NZS 5078:2007.
10. The percentage measure of thermal efficiency (%) when tested in accordance with AS/NZS 5078:2007.
11. The range of heat outputs tested.
12. Space to allow the installer to place the date of installation.

**NOTE: These labelling requirements may be included or combined on a label with other information or marking that may be stipulated in the relevant testing standards.**

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