



What it means for a stove to have the SIA Ecodesign Ready label

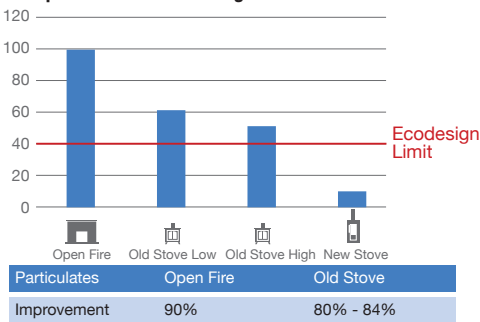


To qualify for the SIA Ecodesign label a stove must have been independently tested by an approved test laboratory and met the emissions and minimum efficiency criteria for Ecodesign. The test results must be verified by HETAS. The stove will then be listed on the HETAS web site.

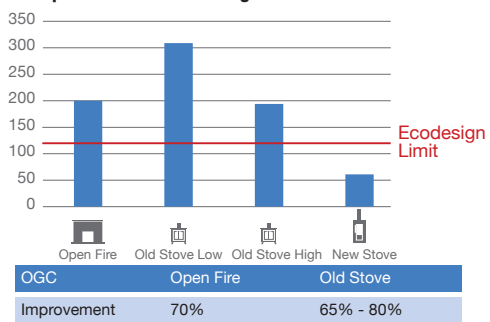
Ecodesign is the European-wide programme to lower emissions. It is due to come into force in the UK in 2022, for wood burning and multi fuel stoves. The main manufacturers in the SIA have decided to release stoves that will meet the lower emission limits now, five years early. From 2020 the main manufacturers will only produce new fireboxes that will satisfy Ecodesign.

Independent tests, conducted by Kiwa, have shown that an Ecodesign Ready stove produces significantly fewer emissions than open fires and stoves produced 10 years ago, across the range of emissions. The graphs below clearly show the reduction in emissions. When it comes to particulates (PM10 and PM2.5) an Ecodesign Ready stove produces 90% fewer emissions than an open fire and 84% fewer than a stove of ten years ago. The stoves were tested in the start-up phase and in the steady burn state. The bigger reduction in emissions came in the start-up phase, when a stove can be giving off most smoke.

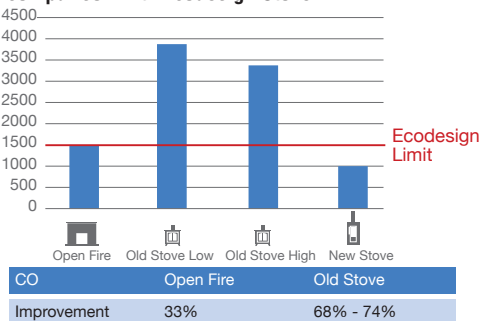
Particulates comparison with Ecodesign Stove



OGC (Organic Gaseous Compounds) comparison with Ecodesign Stove



CO (Carbon Monoxide) comparison with Ecodesign Stove



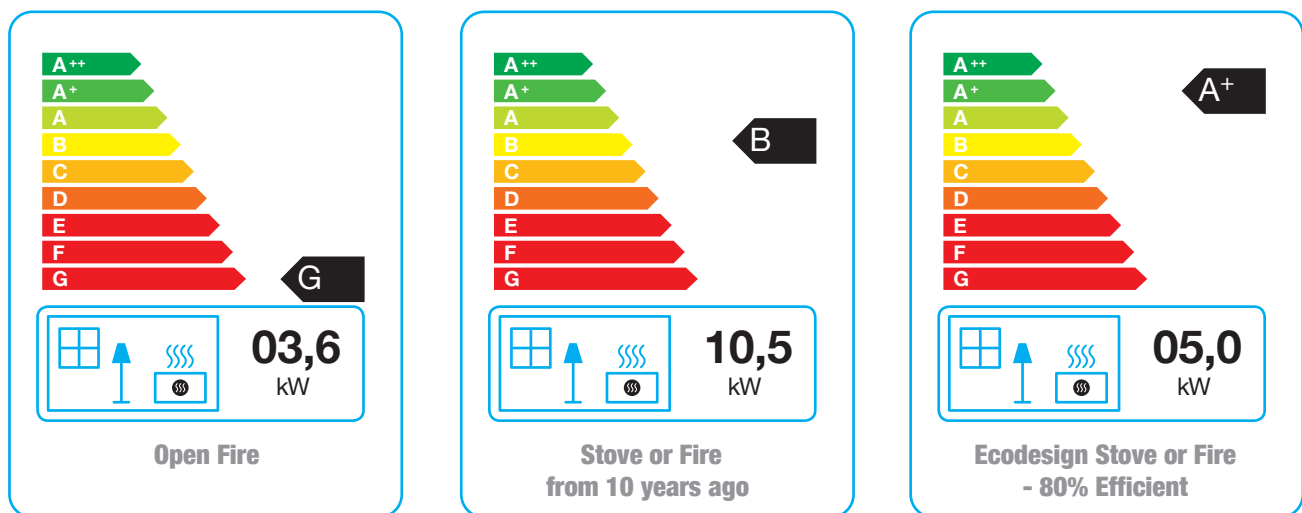
NOx (Nitrogen Oxides) comparison with Ecodesign Stove



SIA Ecodesign Ready stoves will meet the DEFRA exemption criteria but the stove must still be tested for DEFRA exemption, until Ecodesign becomes law in 2022, in order to be used in a smoke control area.

Ecodesign Ready stoves are also very efficient; 4% more efficient than required at the moment.

The efficiency charts below show the improvement that has been made from an open fire to an Ecodesign Ready stove.



As it is a SIA sponsored label, it can only be applied to SIA member stoves.

The SIA Ecodesign Ready label will clearly inform consumers that the stove comes from a reputable member of the SIA and has been independently tested to prove compliance with the Ecodesign criteria. It is a marketing opportunity for retailers to promote the most environmentally friendly stoves, available today, with the assurance that HETAS has verified the test results.

The stove manufacturers and the SIA will be promoting the label with consumers. HETAS are listing the stoves in the HETAS Guide and DEFRA are supporting the SIA Ecodesign Ready scheme.

This information sheet is part of a series of leaflets. Other information leaflets include:

- What it means for a stove to have the SIA Ecodesign Ready label.
- The importance of buying dry wood.
- What the SIA is all about.
- Ecodesign legislation and its implications for the stove industry.



The information leaflets can be downloaded from the SIA web site
www.stoveindustryalliance.com/downloads



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