

The Blue Angel for Stoves for Wood (DE-UZ 212)



Information for manufacturers and the retail trade

www.blauer-engel.de/en/uz212

- reduction in particulate matter
- user-friendliness

Reliable guidance for sustainable purchasing

The Blue Angel – the environmental label of the German federal government – has set stringent standards for environmentally friendly, healthy and durable products and services in an independent and credible way since 1978. The Blue Angel is Germany's most well-known environmental label. You can thus benefit from the clear competitive advantages and added level of trust that this environmental label enjoys in the economy and amongst consumers. The label's credibility and competence, its objective criteria, its institutionalised award process and its governmental links increase your corporate and brand value.

The advantages offered by the Blue Angel

The Blue Angel allows you as a company to present your environmental management practices and product responsibility in a credible way and set yourself apart from your competitors. Furthermore, you can use the Blue Angel for Stoves for Wood to demonstrate to customers that you

- help to improve air quality by significantly reducing particulate and exhaust gas emissions,
- promote low emission heating thanks to a high level of user friendliness and comprehensive information,
- actively reduce the release of particulate matter into the ambient air.



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Scope

The Blue Angel certifies stoves for wood that are designed for heating with split logs and/or compressed wood. The environmental label is open to stoves using all types of emission reduction technologies.

Cozy warmth with no regrets

Stoves are becoming increasingly popular as a cheap alternative for the provision of heating or for the supply of comfort heating to create a cosy atmosphere. However, heating with wood causes significantly more air pollutant emissions than other energy sources such as heating oil or natural gas. Therefore, the Blue Angel demands technical measures for regulating the combustion and reducing particulate emissions during operation of the stoves that enable a low-emission combustion process that is largely unaffected by user behaviour. The environmental label may be awarded to stoves that use the fuel burned in them in an efficient manner and have significantly lower pollutant emissions.

Criteria: What does the Blue Angel for stoves take into consideration?

- Reduction of air pollutants:
 - » In addition to the statutory regulations for the type testing, the stoves have to comply with significantly lower particulate and CO limit values.
 - » In the case of organic gaseous carbon (OGC) and nitrogen oxides (NO_x), emissions of these substances must already now be below the limits defined by the EU Ecodesign requirements that will come into force in January 2022.
- Use of emission reduction technology (optional)
- Quality of the particle separator (minimum separating efficiency of 75 % of the particle mass)
- Determination of the particle count concentration
- Requirements for the combustion chamber and tightness of the oven
- Stoves equipped with a combustion monitor¹ and automatic air regulation
- Repairability and provision of spare parts for 10 years
- User-friendly consumer information on installation, commissioning and operation

Compliance verifications

Compliance with all requirements must be verified in accordance with the Basic Award Criteria – e.g. in the form of test reports, approved certificates or legally binding manufacturer declarations. In cooperation with research and testing institutions, the Federal Environmental Agency has developed a specific test method for the Blue Angel. In addition to the type testing, it also takes account of the ignition phase that involves a particularly high level of emissions and the particle count concentration.

Application, use of the environmental label and costs

RAL gGmbH is responsible for handling the applications and concluding the contracts (contact: Dr. Susanne de Boor, E-mail: susanne.deboor@ral.de, Tel.: 0228 - 688 95-150). Use of the environmental label is limited to the period of validity of the Basic Award Criteria. The current Basic Award Criteria are valid until 31/12/2023. RAL gGmbH – the awarding body for the environmental label – will charge a one-off handling fee of 400 Euro for the application. The annual fee is based on the annual sales of the certified product. If the sales figures are, for example, between 1 and 2.5 million Euro, the annual fee will be 1,300 Euro. Further information is available at <https://www.blauer-engel.de/en/companies/costs-blue-angel-schedule-fees>.

¹ A display to indicate any deviation from the optimal operating state and to request that the user stokes the fire with wood.

Further information: www.blauer-engel.de/en



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety

