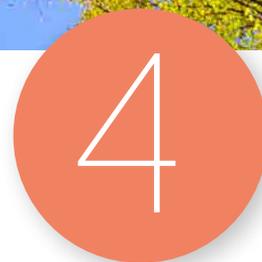




**ECO
DESIGN
KALFIRE**



essentials for
sustainable
wood burning

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KALFIRE
FIREPLACES

CONNECTING
PEOPLE
THROUGH
SUSTAINABLE
FIRE.

KALFIRE
FIREPLACES



**ECO
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KALFIRE**

Kalfire has been investing in optimizing its wood fire combustion technology for years. The built-in thermostat ensures a worry-free start and clean combustion, and the innovative patented air-flow system contributes to a pure living environment.

The result is a range of wood-burning fireplaces that meet the strictest European environmental standards. The wood stoves in the Kalfire W range are eco-labelled A and A+, with an energy efficiency rating of up to 86%.

1

An Ecodesign-compliant fireplace

In 2022, the new European Ecodesign Directive will come into force, stipulating strict requirements for wood-burning stoves. Unlike traditional open fireplaces and outdated wood stoves, all Kalfire closed wood fires comply with the new Ecodesign Directive.

2

Correct installation

To guarantee optimum efficiency and the cleanest possible combustion, the fireplace must be installed correctly and in compliance with all applicable guidelines. Make sure you choose a recognized Kalfire dealer to install your fireplace. You can find one in your area on www.kalfire.com

3

Choice of fuel

A tree uses sunlight to convert carbon dioxide (CO₂), water and nutrients into the compounds that form wood cells. During this growth process, the tree extracts CO₂ from the air and releases oxygen. When the tree dies or is burned, the CO₂ is released and in turn is taken up by young trees that need it for their growth, creating a sustainable exchange of carbon.

When choosing wood to burn, keep in mind other aspects of sustainability: for example, try to use domestic wood if possible to reduce the carbon footprint from transport. For the same reason, pay attention to the country of origin of your fireplace. Transport is still one of the largest contributors to CO₂ emissions and air pollution.



4

Fire-building techniques

A well-built fire needs less wood, offers higher heating efficiency and minimizes particulate emissions.

- Always use untreated, clean, dry wood.
- Light the fire using the 'top-down' Swiss method.
- Start the fire in reverse from the conventional method and light it from above. This avoids smoke as the fire smoulders, preheats the chimney flue, and burns gases and smoke released by the wood below.
- Leave the door open for a few minutes until the wood is burning well, then close it.
- Do not add more wood until the logs have burned completely and a bed of embers has formed. One layer of wood is sufficient.
- Leave the secondary air supply partially or fully open during burning.
- When you no longer want to use the fire, let it cool down completely with the door closed.

The Swiss method

- Place the largest logs on the hearth, then lay a perpendicular row of smaller logs over these.
- Add a third layer of kindling.
- Lay one or more firelighters on top and light them.

