

## What does ECODESIGN mean?

- It is a standard that the European Commission approved in October 2016. It harmonizes all the existing standards of the Member States into a single one and it affects solid fuel stoves;
- It will be mandatory in all countries of the Union as of January 1, 2022. From this date and on, no stove will be placed on the market if it does not comply with these Regulations;
- However, each country may advance this application date (like Poland since July 2017).



## What is the technical meaning of ECODESIGN?

- Right now, to obtain the CE marking of a device, the following minimum services are requested:

### CE

- Performance  $\geq 60\%$
- CO Emission  $\leq 1\%$

- The new regulations require:

### ECODESIGN

- Efficiency  $\geq 75\%$
- Emissions:
  - CO  $\leq 0,12\%$  (1.500 mg/m<sup>3</sup>)
  - Dust  $\leq 40$  mg/m<sup>3</sup>
  - NO<sub>x</sub>  $\leq 120$  mg/m<sup>3</sup>
  - OGC  $\leq 200$  mg/m<sup>3</sup>

## What does this represent for the appliances?

- More effective combustion chambers;
- Preheated secondary air inlets;
- Double sheet steel body;
- Tightness/hermetic sealed appliances;
- Perfect combustion.

## What does it mean for the customer?

- **Save up to 40% on firewood;**
- **A flame-show much more beautiful than a conventional fire;**
- **Absolutely clean glass (with a hot air curtain in front of the glass that prevents it from darkening);**
- **Absolute respect for the environment (by reducing emissions to almost 0);**
- **Reduction of ash of 40%.**

**PANADERO = EcoDesign**