

WOOD PELLETS



Wood pellets constitute a biological fuel material, which, in essence, is sun-energy accumulated over longer time periods. The bio-mass, or grass, plants, bushes and trees, attract and concentrate a large amount of light and heat energy that we can later conveniently use to generate warmth for our home. Bio-mass is unique, because it consumes a large amount of the CO₂ carbon dioxide gas during its growth, not to mention the tremendous amount of O₂, or oxygen that is produced during the photosynthesis process.

Wood pellets are a renewable and nature-friendly biological fuel material, whose energy is turned into heat energy as a result of a chemical transformation: burning. The biological fuel material is CO₂ neutral, because the biomass raw material that is used for its production binds the same amount of CO₂ when it grows, as it releases during the burning process.

Wood pellets are also environmentally friendly as a biological fuel material due to the fact that the amount of sulphur and nitrogen in it is so minuscule, that, when maintaining an appropriate burning process, the flue gases contain very minor, difficult to detect quantities of nitrogen oxide and sulphur dioxide. Yet fossil fuels, like coal, oil products and gas, release considerable amounts of these gases as they burn.

Wood pellets have to correspond to certain production standards, which are summarized in this table:

Technical data	Characteristics
<i>Geometric size</i>	Diameter of 6; 8; 10; 12 mm and length of 20; 25; 30 mm
<i>Compacted material's density</i>	650 – 750 kg per cubic meter
<i>Heat capacity</i>	4100 - 4300 KKal/kg
<i>Content of ash and sand</i>	0,5% - 1,5% of burned volume
<i>Relative humidity</i>	8 – 12%

BRIQUETTES



Briquettes are an eco-friendly product which can directly replace traditional coal or peat briquettes. It can be used in any appliance; stove, fireplace and open grate. It is clean, easy to handle and is available for the same price as a bag of traditional coal. The briquettes are wrapped in a layer of plastic which means it can be kept moisture free.

Briquettes production standards.

Technical data	Characteristics
<i>Dimensions</i>	50x50x300 / 350 mm*
<i>Packaging</i>	5 kg - 6 pieces / 10 - 12 pieces / without packing
<i>Heat capacity</i>	around 5000 KKal/kg
<i>Content of ash and sand</i>	0,5% - 1% of burned volume
<i>Relative humidity</i>	6 – 10%



* Briquettes can have sharp cutoffs at size 50x50x250 mm