

Waste Wood VS Virgin Timber

Waste wood, although cheaper p/tonne may not be the best value for money in the long term. There are many negative implications of burning waste wood in your biomass heating system. Problems that can arise include:

- Lower efficiency
- Faster burning of fuel due to lower calorific values
- Pollutant smoke from burning of contaminants
- Higher ash contents, can result in clinker issues
- Higher maintenance and running costs (from removal of by-product build up in the boiler)



Ash build up can form clinker, as shown opposite, which can seriously damage your boiler and cost excessively to fix.

By burning clean wood fuel these problems can be avoided.

Always be sure to check a supplier's fuel specification in full to check it is compatible with your boiler.

Our below Case Study illustrates this...

North-East Primary School: The case of the problematic pellet system

A primary school in North-East England has seen a remarkable difference in their biomass system since switching from waste wood/reclaimed pellets to 100% virgin timber.

The school was having severe problems with clouds of dark smoke and chemical smells, which had been causing health and safety issues for the local caretaker, children, teachers and staff. After speaking to the council about the difficulties they were having, Billington Biofuels supplied their pellets to test whether quality of fuel was the issue at heart. After a successful delivery and trial run, the problems were suspected to be from the burning of waste wood...

Since the switch to virgin pellets the schools accountant is particularly pleased with the results, commenting on the clean burning of the fuel and slower burning of the pellets- causing them to part with cash less frequently!

Case closed- and a victory for the virgin timber pellet!

