

Wood Pellet Specification

The quality of the fuel used can have a significant impact on the reliability and the life of the boiler. Off –specification pellets can contaminate stocks of good material and maybe difficult to dispose of.

The use of contaminated material can lead to breaches of emissions and waste regulations as well as long term damage to the heating system.

The European standards have been developed based on the work of CEN’s TC335 solid biofuels committee.

As a minimum the fuel should comply with the following specification acc. to OENORM M 7135 and ENplus Class A1.

	OENORM M 7135	ENplus Class A1
Energy density:	4.9kWh/kg.	4.5kWh/kg.
Diameter:	$4\text{mm} \leq D \leq 10\text{mm}$	6mm (± 1)
Length:	4 X D	$3,15 \leq L \leq 40$
Bulk density:	min. 650kg/m ³	$\geq 600 \text{ kg/m}^3$
Origin	Chemically untreated wood without bark	Chemically untreated wood without bark, Stem wood
Moisture content	$\leq 10 \%$	$\leq 10 \%$
Ash content	$\leq 0.5 \%$	$\leq 0.7 \%$
Sulphur content	$\leq 0.04 \%$	$\leq 0.05 \%$
Chlorine content	$\leq 0.02 \%$	$\leq 0.02 \%$
Nitrogen content	$\leq 0.30 \%$	$\leq 0.30 \%$
Mechanical durability	$\geq 97.7\%$	$\geq 97.5\%$
Amount of fines	$\leq 1,00\%$	$\leq 1,00\%$
Additives	< 2 w-% of dry basis	< 2 w-% of dry basis

If the fuel used to operate the boiler(s) does not meet the attached pellet specification, Remeha Commercial cannot guarantee the performance of the boilers and physical damage or incapacitation of the boilers and fuel transport system may result. Furthermore should Remeha Commercial be called out to site to intervene as a result of the boiler(s) being operated using inferior fuel, our labour and any replacement parts required to rectify the situation will be chargeable items.