

1. Wood chips

The wood-chip fuel must conform to the following specification;-

Size Classification						
Chip Designation	Maximum % Particulate Size				Maximum Extremes	
	<4%	<20%	60-100%	<20%	Area cm ²	Length cm
G30	<1mm	1 - 3mm	3 - 16mm	>16mm	3	8.5
G50	<1mm	1 - 6mm	6 - 32mm	>32mm	5	12
G100	<1mm	1 - 11mm	11 - 63mm	>63mm	10	25
G120	<1mm	1 - 63mm	63 - 100mm	>100mm	12	30
G150	<1mm	1 - 100mm	100 - 130mm	>130mm	15	40

Moisture Content Classification		
Chip Designation	Moisture Content in % (wet basis)	MC Definition
W20	<20	Air Dried
W30	20-30	Undercover Stored
W35	30-35	Limited Undercover Stored
W40	35-40	Wet
W50	40-50	Green

Material Density Classification		
Chip Designation	Material Density in kg/m ³	Density Definition
S160	<160	Low
S200	160-250	Medium
S250	>250	High

Ash Content Classification		
Chip Designation	Ash Content as % of fuel weight	Ash Content definition
A1	<1	Low
A2	>1	High

The above definitions have been extracted from ONORM M7 133 and DIN 66 165 specifications for wood chip fuel.

2. Wood pellets

The wood-pellet fuel must conform to the following specification;-

Pellet Designation	Maximum diameter	Maximum Length
D06	6 mm ± 0,5 mm	33 mm
D08	8 mm ± 0,5 mm	43 mm
D10	10 mm ± 0,5 mm	52 mm

Ash Content Classification		
Pellet Designation	Ash Content as % of fuel weight	Ash Content definition
A1	<1	Low
A2	>1	High

3. Cleanliness

Both wood-chips and wood-pellets must **be free from** the following contaminants;-

<ul style="list-style-type: none">• General contamination such as slate, stones, metal, rubber, plastic & other unidentified foreign bodies
<ul style="list-style-type: none">• Heavy metal compounds as a result of treatment (eg Copperchrome Arsenate (CCA) identified by green colour)
<ul style="list-style-type: none">• Halogenated organic compounds , eg lindane (identified by yellow colour)
<ul style="list-style-type: none">• Creosote (identified by dark brown stain and smell)
<ul style="list-style-type: none">• Painted wood, MDF, hardboard, fibreboard

NB

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South East Wood Fuels Ltd provides this document for indicative purposes and in good faith but accept no responsibility for its accuracy or for the implementation of the standards by any individuals or organisations.

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