

Moisture content

Moisture content must be within the defined specification for the particular equipment selected. Moisture content should be expressed in gross (rather than net) terms, that is:

$$\text{Woodfuel Moisture Content} = (\text{weight of water in sample} / \text{total weight of sample}) \times 100\%$$

Moisture Content classes may be defined as follows:

Well seasoned	up to 20%
Durable in store	up to 30%
Semi-durable in store	up to 35%
Moist	up to 40%
Green	up to 50%

Boiler plant maximum moisture content tolerance is expressed as a %: e.g. W40 = max 40% Moisture Content

Ash content

In two grades, as a % of bone dry weight;

Low bark content	up to 0.5%
High bark content	0.5% to 2.0%

Bulk density

In three grades, expressed as the bone dry bulk density of the chipped product:

Low density	up to 160 kg/m ³	e.g. poplar, willow, fir
Medium density	160 to 200 kg/m ³	e.g. pine, larch, birch, alder
High density	greater than 200 kg/m ³	e.g. beech, oak

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