

NS4414 - Norwegian quality standard for firewood

Unofficial translation

The aim of this standard is to help provide the market with firewood in accordance with defined shapes and characteristics and to provide consumers with a product under this standard. For many years, there was a lot of uncertainty about what to buy by the bag and many merchants expressed the wish to reach a common platform for the production and labelling of the firewood bags. The result is the NS 4414 standard for household firewood. NS 4414 is structured so that manufacturers can easily stick to its requirements during production.

There are also requirements for labelling of containers. The bag's measurements in centimetres or volume shall be indicated preferably by a tag affixed to the bag and stated in advertisements or internet offers. The excerpts from the standard are described below. The standard itself can be acquired from the Norwegian Standards Association.

| | Grade 1 | Grade 2 | Grade 3 | HETAS Assured | Grade 4 |
|---|-----------------------------------|---|---|---|---|
| Type of wood | Birch, clean with nice appearance | Hardwood: birch, oak, ash, maple and rowan (not mixed) | All species (may be mixed) | Species must be listed in order of highest proportion, the first species must always be present, the others may not always occur in a sale pack | All species, incl demolition wood and wood waste (may be mixed) |
| Moisture | max 20% | max 22% | max 25% | Max 25% | max 25% |
| Decay | not tolerated | tolerated up to 10% | tolerated up to 15% | Decayed wood should not be sold unless suitably described; the judgement on decay is a pragmatic one. | tolerated, max 10% may have loose rot |
| Diameter | min. 8 cm, max 15 cm | min 4 cm, max 18 cm, maximum 20% of the logs can be less than 8 cm or more than 15 cm | min 4 cm, max 18 cm, maximum 20% of the logs can be less than 8 cm or more than 15 cm | Not required, but if stated – 15% can be less than the minimum, small portions of a log can exceed the maximum | max 18 cm |
| Splitting | all logs split | 90% of the logs must be split | Round logs with max 8 cm diameter allowed | No requirement | Not required for logs up to 18 cm |
| Deviation on length | 1cm +/- | 2cm +/- | 10% +/- | 2cm +/- up to 15% can be shorter than the minimum | 10% +/- |
| Standard Lengths: 20cm - 30cm - 60cm - 300cm NS4414 Standard Bags: 30l – 40l – 60l – 80l | | | | | |