



## Bio fuel packaging

NNZ continues to develop and supply a wide range of packaging for the handling, storage, transportation and presentation of bio fuel such as wood pellets, kindling, and firewood logs; packaging that is designed to pack and hold bio fuel in the best possible way, providing sufficient ventilation and optimal handling during

the entire packing process. The range includes FIBCs for bulk packaging, as well as net and paper bags, PP and PE bags, and cardboard boxes. This wide range of packaging ensures there is always one that perfectly suits the product to be packed and meets the transportation and presentation requirements needed.

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### Log-Lift®

- the perfect combination of ventilation and safe transportation

- Use** Log-Lift® was developed specially for the transportation, storage and drying of wood logs. This FIBC is made from UV stabilised material and is therefore suitable for outdoor drying. It is also ideal for use in indoor drying chambers.
- Material** Woven polypropylene fabric, in white or beige colour. Two sides with ventilated strips, two sides with mosquito net.
- Quality** Various fabric weights, UV stabilised 150 KLY. SWL (safe working load) 1,250 kg.  
SF (safety factor) 5:1 single trip, SF 6:1 multi trip.
- Type** Standard internal dimensions 100 x 100 x 150 cm.  
Four lifting loops and two bottom loops.
- Features** Available in different sizes with different coloured sewing yarn. With or without lifting loops and sleeves. Fitted with open woven closure skirt and filling and discharge spout in different sizes. With or without document pocket.  
Printing option in 1-3 colours, on 1 or 2 sides



### Pallet netting

- safe and ventilating

- Use** Fuels made from wood, such as earth logs, kindling, wooden pellets, charcoal, briquettes, etc. must be able to breathe when packaged. Pallet net is an excellent solution for transport and storage of these materials on pallets. Pallet net is used instead of shrink wrap or stretch film and also secures the load well, as well as allowing ventilation.

- Material** Polyethylene film net.
- Quality** Standard quality.
- Colour** White.
- Type** Width of roll 50 cm. Roll length for hand application 500 /1000 metres.  
Roll length for machine application 3500/ 5000 metres.
- Features** UV stabilised upon request.



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### Woven net bags - the ideal packaging for firewood

<b>Use</b>	Woven net bags (leno) are ideal for the packaging of firewood. The bags are also available UV stabilised, making them suitable for outdoor drying.
<b>Material Quality</b>	Polypropylene woven fabric (leno). Different mesh sizes and fabric weights, UV stabilised 180 KLY.
<b>Colours</b>	Many different colours.
<b>Type</b>	Can be supplied in all usual sizes. Main stock sizes carry 40 litres or 60 litres of wood, with a wide and strong drawstring. Size of the bag depends on the drying process and the size of the wood logs.
<b>Features</b>	For individual market needs, the bags are available in different sizes and in different qualities: circular (tubular) woven bags, L-sewn bags (sewing line at the side and bottom), with side or bottom tag with individual text (such as bag size or whether UV stabilised, etc). L-sewn bags also have the option for position-printed label in 8-20 cm width on both sides.



### Monofilament net bags - perfect for kindling

<b>Use</b>	These smaller monofilament net bags have been included in the range specially for packaging of kindling. The fine mesh keeps splinters and other small pieces of wood inside the net. These bags are also suitable for wood pellets.
<b>Material</b>	Polyethylene circular knitted fabric sewn at the bottom.
<b>Quality</b>	Standard size and fabric weight, without UV stabilisation.
<b>Colours</b>	Available upon request subject to quantities required.
<b>Type</b>	Can be supplied in all usual sizes. Main stock size is 26x36 cm with a drawstring for easy closure.



### Knitted net bags - for kindling

<b>Use</b>	Knitted net bags are used for packing kindling. They are available in a variety of colours and optionally with UV stabilisation for outdoor applications.
<b>Material Quality</b>	Polyethylene knitted fabric (raschel). Standard quality.
<b>Colours</b>	Many different colours, also possible in two colours
<b>Type</b>	Can be supplied in a wide range of standard sizes. Also available with a drawstring and/or flag label.
<b>Features</b>	Can be supplied with UV stabilisation.

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### PP-bags - strong and handy

**Use** Woven PP bags are the optimum packaging for wood pellets. They are very strong and can be filled both manually and automatically. Also available as luxury carrier bags with quality overprinting.

**Material** Polypropylene woven cloth with or without drawstring.

**Quality** Different sizes and fabric weights. Coated or uncoated. Adaptable to UV material.

**Colours** White as standard. Other colours on request.

**Type** Can be supplied in all usual sizes for the individual filling machine, suitable for weights from 1 kg up to 50 kg.

**Features** Available in different designs with an open top, block bottom (coated) or with a side gusset. Also available with soft handles. Printing on coated PP-bags in full colour possible. Printing on uncoated PP-bags up to a maximum of 4 colours.



### PE bags - hygienic and a perfect presentation

**Use** Polyethylene packaging materials are used more and more often at sales outlets where quality and hygiene are important. The transparent film presents the product optimally, for example firewood or wood pellets. Due to the material being printable in up to 8 colours, it offers no end of options for marketing and communication. PE bags can be filled both manually and on packaging machines.

**Material** LDPE (low density polyethylene), HDPE (high density polyethylene).

**Quality** Available in various thicknesses and widths.

**Colours** Up to 8 colours on 1 or 2 sides.

**Type** Various sizes and models, adapted to suit the product to be packed and its weight. Suitable for packed weights from 1 kg up to 25 kg.

**Features** Available as single bags with or without a handle, as tube film for automatic packing, as bags and as shrink film for cardboard trays. Available with micro or macro perforations.



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### Cardboard boxes – the clean and comfortable portable packaging for dried firewood

**Use** A cardboard box is the most comfortable packaging for dried firewood. It is the ideal solution for clean transport and indoor storage. The boxes are easy to fill and close. The handles make this box the perfect portable packaging for firewood.



**Material** Test-liner and/or kraft-liner.  
**Quality** Available in various constructions in different layers with open and/or closed top.  
**Colours** Printing in up to 7 colours flexo print.  
**Type** Various sizes and models, adapted to suit its weight and size of the wood logs. Suitable for packed weights from 1 kg up to 15 kg.  
**Features** Available in different models as a folded box or flat for automatic folding. Available with or without punched handles on two sides. The box can be supplied with or without top punched closing holes and with or without window. Cardboard trays (open half cardboard box) for shrink PE-tube film are also available.

### Paper bags – the multi-layer packaging for charcoal and briquettes

**Use** Multi-layer paper bags are the ideal packaging for charcoal, briquettes and kindling. NNZ supplies a wide range of top quality paper bags in various sizes, weights and models.



**Material** Kraft-liner up to 3 layers.  
**Quality** Available in various gram weights in different layers & widths.  
**Colours** Printing up to 10 colours.  
**Type** Various sizes and models, adapted to suit the product to be packed and its weight. Suitable for packed weights from 1 kg up to 50 kg.  
**Features** Available in different models with an open top with a cross bottom, block bottom, cut bottom or sewn bottom. The bags can be supplied with or without a handle and with or without a window of netting or PE film.

NNZ is a leading organisation in the world of innovative packaging for the agricultural sector. The company undertakes intensive market and product research and continually anticipates market developments. In doing so, NNZ has earned a central position at international level within the world of packaging.



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