

# WOOD PRODUCT SPECIFICATION

## WOODCHIPS

| Material type | Ash content (%) | Moisture content (%) | NCV (mwh/t) | Other terms | Available monthly amount               |
|---------------|-----------------|----------------------|-------------|-------------|----------------------------------------|
| SM1           | <1%             | 30% - 55%            | 2.4-3.2     |             | 20000 mwh / 25000 loose m <sup>3</sup> |
| SM2           | <3%             | 30% - 55%            | 2.4-3.2     | -           | 50000 mwh / 62500 loose m <sup>3</sup> |
| SM3           | <5%             | 30% - 55%            | 2.4-3.2     |             | 40000 mwh / 50000 loose m <sup>3</sup> |

SM1



SM2



SM3



## BARK

| Material type        | Ash content (%) | Moisture content (%) | NCV (mwh/t) | Other terms     | Available monthly amount               |
|----------------------|-----------------|----------------------|-------------|-----------------|----------------------------------------|
| Wood bark for energy | <10%            | 50%-65%              | 1.5-2.0     | spruce/pine/mix | 10000 mwh / 12500 loose m <sup>3</sup> |
| Bark for gardening   | <10%            | 50%-65%              | 1.5-2.0     | spruce/pine/mix | 10000 mwh / 12500 loose m <sup>3</sup> |
| Low quality Bark     | <               | 50%-65%              | 1.5-2.0     |                 | 10000 mwh / 12000 loose m <sup>3</sup> |

Wood bark for energy



Bark for gardening



Low quality Bark



## ALL TYPES OF SAWDUST

| Material type | Ash content (%) | Moisture content (%) | NCV (mwh/t) | Other terms       | Available monthly amount               |
|---------------|-----------------|----------------------|-------------|-------------------|----------------------------------------|
| Sawdust       | <1%             | 45%-65%              | -           | Bark content: <8% | 10000 mwh / 12000 loose m <sup>3</sup> |

Sawdust



## FUEL LOGS

| Material type        | Ash content (%) | Moisture content (%) | NCV (mwh/t) | Other terms          | Available monthly amount        |
|----------------------|-----------------|----------------------|-------------|----------------------|---------------------------------|
| Coniferous fuel Logs | <1%             | 30% - 45%            | 2.8-3.4     | Diameter: 5 - 70cm   | 20000 mwh / 9500 m <sup>3</sup> |
| Leaf wood fuel Logs  | <1%             | 30% - 45%            | 2.8-3.4     | Length: 3.0 +/- 0.1m | 20000 mwh / 9500 m <sup>3</sup> |

Coniferous fuel Logs



Leaf wood fuel Logs



## PULPWOOD LOGS

| Material type | Ash content (%) | Moisture content (%) | NCV (mwh/t) | Other terms          | Available monthly amount |
|---------------|-----------------|----------------------|-------------|----------------------|--------------------------|
| Birch         | -               | -                    | -           |                      | 15000 m <sup>3</sup>     |
| Coniferous    | -               | -                    | -           | Diameter: 6 - 60cm   | 15000 m <sup>3</sup>     |
| Aspen         | -               | -                    | -           | Length: 3.0 +/- 0.1m | 10000 m <sup>3</sup>     |
| Alder         | -               | -                    | -           |                      | 10000 m <sup>3</sup>     |

Birch



Coniferous



Aspen



Alder



## SAWLOGS

| Material type | Length (m) | Quality    | Available monthly amount   |
|---------------|------------|------------|----------------------------|
| Pine          | 2.5-5.0    |            |                            |
| Spruce        | 2.5-5.0    | A, B, C, D | Up to 10 000m <sup>3</sup> |

Pine



Spruce



## CELLULOSE CHIPS

| Material type  | Ash content (%) | Moisture content (%) | NCV (mwh/t) | Other terms       | Available monthly amount |
|----------------|-----------------|----------------------|-------------|-------------------|--------------------------|
| Coniferous mix |                 |                      |             |                   |                          |
| Pine chips     | -               | -                    | -           | Bark content: <1% | 16000 loose m³           |
| Spruce chips   |                 |                      |             |                   |                          |

Coniferous mix



Pine chips



Spruce chips



## PELLETS

| Material type      | Delivery method                      | Diameter | Certification    | Available monthly amount |
|--------------------|--------------------------------------|----------|------------------|--------------------------|
| Premium pellets    | 15kg bags / big bags / bulk delivery | 6mm      |                  |                          |
| Industrial pellets | bulk delivery                        | 6mm      | ENplus / SBP RED | Up to 10 000t            |

Premium pellets



Industrial pellets

