

# Metsä Birch AKI

Datasheet Update: 13/06/2022

## Raw material

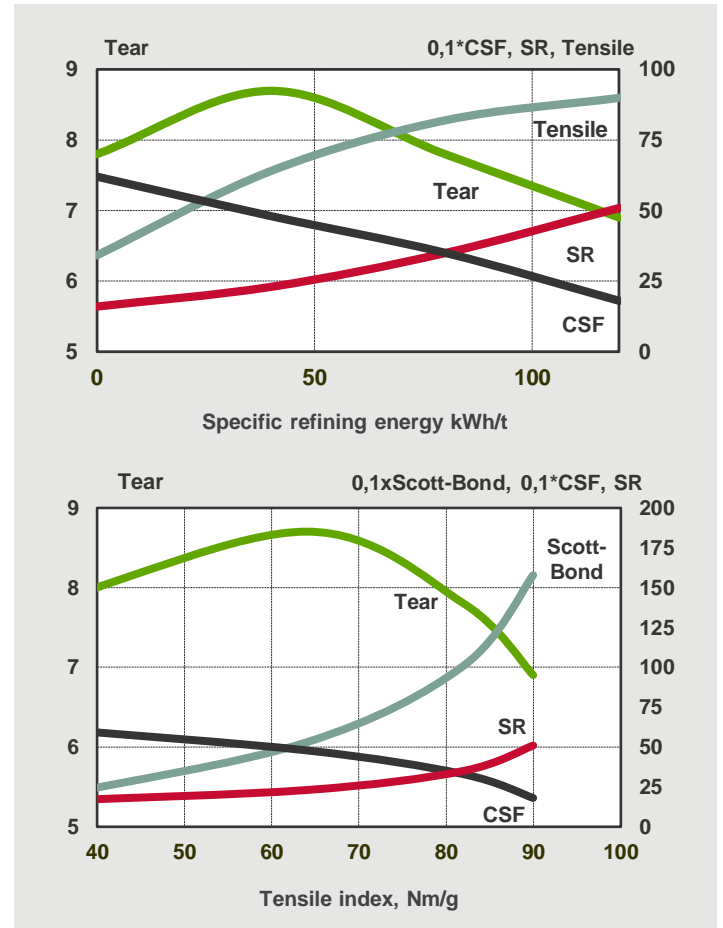
<b>Birch</b> (betula verrucosa) 90–100%	<b>Aspen</b> (populus tremula) 0–10%
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## Pulp characteristics

<b>Brightness, ISO</b> (PulpExpertDCD) Target 89%	<b>Fibre length, mm</b> (ValmetMAP, Tappi T271) < 1.10 mm
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<b>Coarseness</b> (Valmet FS-5) 0.090–0.110 mg/m	<b>Ash content</b> (ISO 1762:2001) 0.2–0.7%
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<b>Extractives</b> (SCAN CM-49) < 0.25%	<b>pH</b> (ISO 6588) 5.0–7.0
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Specific refining energy kWh/t	CSF ml	Schopper-Riegler - number	Tensile index Nm/g	Tensile Stiffness Index kNm/g	Tear index mNm <sup>2</sup> /g	Scott-Bond J/m <sup>2</sup>	Density kg/m <sup>3</sup>	Opacity %	Air resistance (Gurley) s
0	620	16	34	5,0	7,8	185	663	72,1	1,9
40	479	23	64	7,0	8,7	529	747	66,8	14
80	332	35	82	8,1	7,8	1009	817	62,0	124
120	179	51	90	8,4	6,9	1577	859	58,8	1330
34	<b>500</b>	21	60	6,7	8,7	466	735	67,6	10
62	<b>400</b>	29	75	7,8	8,3	782	788	64,1	45
28	522	<b>20</b>	56	6,5	8,7	406	723	68,4	7,4
49	446	<b>25</b>	69	7,3	8,6	629	764	65,7	22
20	550	18	<b>50</b>	6,1	8,6	333	706	69,5	5,0
51	439	25	<b>70</b>	7,3	8,5	652	769	65,4	25

Mean (indicative) values from pulp testing with Lab-Finer using standard water.  
Specific Edge Load 0,4 Ws/m, ISO testing methods, testing climate 50% RH, 23°C. Handsheets 65 g/m<sup>2</sup>.

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## End uses

Speciality papers

Wood free papers

Tissue papers

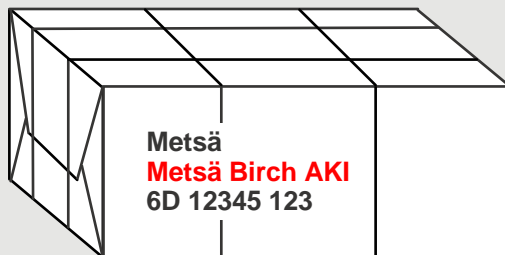
Board products

## Sheets

Size 84 x 75 cm

Grammage 900 – 1100 g/m<sup>2</sup>

## Bales



Size 86 x 77 x 42 cm

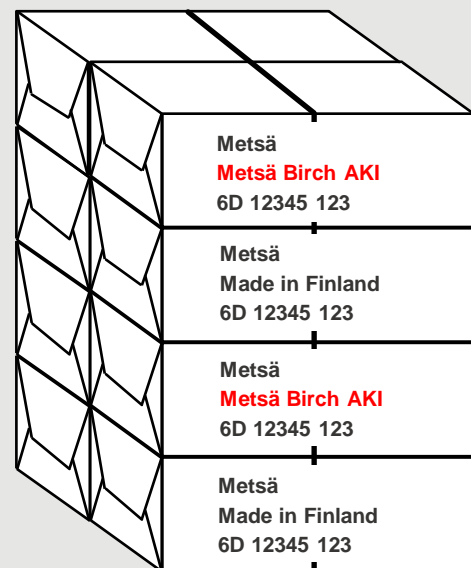
Gross weight 250 kg

Wrappers Pulp sheet

Wires 4 galvanized wires, diameters 2.3 mm

Markings Black and red ink-jet printing, water soluble ink  
Brand name and bale number on outside of the bale

## Units



Size 86 x 154 x 168 cm

Gross weight 2,000 kg (8 x 250 kg)

Wires 8 galvanized wires, diameter 3.0 mm

Identification RFID tag 1/ton