

# Metsä Birch HUS

Datasheet Updated: 13/06/2023

## Raw material

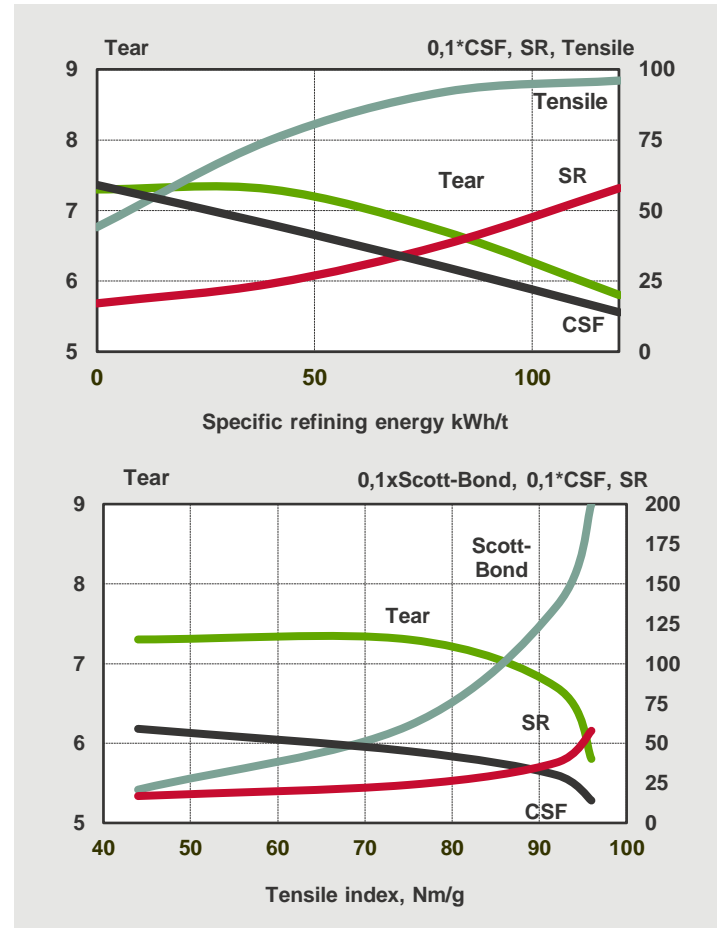
<b>Birch</b> (betula verrucosa) 85–100%	<b>Aspen</b> (populus tremula) 0–15%
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## Pulp characteristics

<b>Brightness, ISO</b> (PulpExpertDCD) Target 89%	<b>Fibre length, mm</b> (ValmetMAP, Tappi T271) 0.8-1.05 mm
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<b>Coarseness</b> (Valmet FS-5) 0.090–0.110 mg/m	<b>Ash content</b> (ISO 1762:2001) 0–0.4%
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<b>Extractives</b> (ISO 14453) < 0.2%	<b>pH</b> (ISO 6588) 5.5–7.5
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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	595	17	44	6,2	7,3	213	687	71,5	3,2
40	455	24	75	8,0	7,3	614	768	66,1	23
80	303	38	92	9,0	6,7	1361	835	60,8	251
120	140	58	96	9,2	5,8	2000	876	56,1	4403
27	500	21	67	7,5	7,3	445	742	67,9	11
55	400	29	83	8,4	7,1	860	795	64,1	53
21	523	20	62	7,2	7,3	380	730	68,7	8,5
42	448	25	76	8,1	7,2	644	771	65,9	25
6	575	17	50	6,6	7,3	253	699	70,7	4,2
32	484	22	70	7,7	7,3	505	752	67,2	15

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 60 g/m<sup>2</sup>.

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## End uses

Wood free speciality papers

Wood free uncoated papers

Wood free coated papers

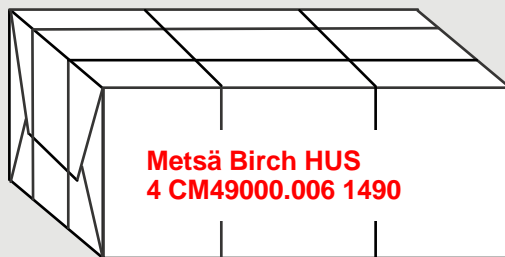
Tissue papers

## Sheets

Size 84 x 80 cm

Grammage 800 – 1100 g/m<sup>2</sup>

## Bales



Size 86 x 83 x 40 cm

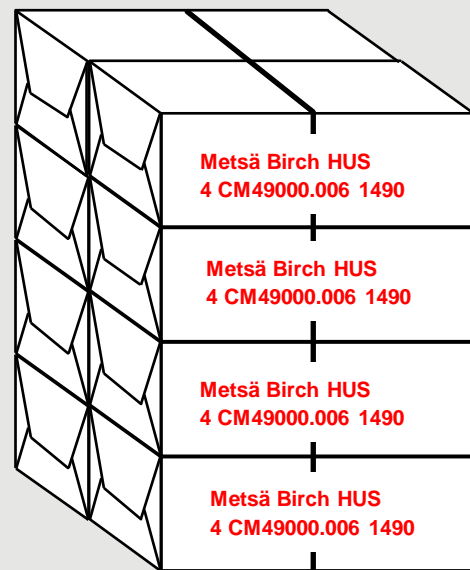
Gross weight 250 kg

Wrappers Pulp sheet

Wires 4 galvanized wires, diameters 2.3 mm

Markings Red ink-jet printing, water soluble ink  
Brand name and bale number on both sides of the bale

## Units



Size 86 x 166 x 160 cm

Gross weight 2,000 kg

Wires 8 galvanized wires, diameter 3.0 mm