Creapaper –
The Future of Paper.
Made by Nature.

CREAPAPER

5 Facts about Grasspaper

Grassfibre as raw material compared with virgin fibre saves up to 75 % CO_2, about 6.000 liter of water per ton and need no added chemicals

Grassfibre can be combined with recycled paper and woodfibre to get a grasspaper product

Grasspaper does not compete with animal food, because the grass comes from surplus and compensation areas.

Grasspaper is more ecological than recycled paper or wood/virgin fibre

Grasspaper is recycable and biodegradable

Fibrematerial for paperproduction in comparison*

	Woodfibre	Recycled Paper	Grassfibre
Local availability *of raw material*	Import mainly from Southamerica & Scandinavia	Import partly from European countries	Available almost everywhere in the region
Demand for raw materials *per ton of fibre material*	2,2 t wood	1,25 t recycled paper	1,07 t grass
CO2-emission *per ton of fibre material*	351,78 Kg	119,98 Kg	74,23 Kg 75% savings **
Energy demand *per ton of fibre material*	1.402,6 kWh	349,1 kWh	167,86 kWh
Water demand *per ton of fibre material*	32.000 l thereof 6.000 l consumption	9.000 l thereof 900 l consumption	2 l thereof 2 l consumption
Use of chemicals *for the preparation of fibre material*	Chemicals necessary - Lignin has to be removed from wood	Chemicals necessary – e.g. for Deinking	**No** chemicals necessary – pure mechanical process

*Gemäß der Ökobilanz 2017 vom IZNE der Hochschule Bonn-Rhein-Sieg.
**im Vergleich mit Holzzellstoff

Fertility of raw materials

1 hectare meadow

(unfertilized, with two cuts p.a.)

Yield:
4,7 tons of grassfibre

Yield:
4,7 tons of woodfibre

7 trees

(e.g. spruce, 25 meters high, cutted on an average of 41 years)

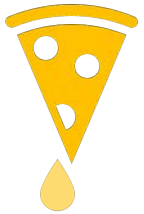
From meadow to grassfibre

- We from Creapaper get our grass mainly from surplus and compensation areas, actually in Germany.
- Surplus and compensation areas where normally cutted two times a year. The material is not qualified for animal food and barely find a use in biogas plants.
- Creapaper cooperates with regional farmers. The grass is dried and will be delivered to our plant as hay bales.
- The processing of the hay is 100% mechanical. There are no chemicals necessary, we need little energy and almost no water.
- Creapaper delivers the grasfibres straight to the paper mills, where they produce their grasspaper products.

Grasspaper Product Examples

+ Hydrophobic

Lipophobic +



A look into the future of Creapaper

Extraction and processing of proteins in the grass (e.g for animal food)

Transparent grasspaper as alternative to plastic foil

Contact

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