



FullService
GREEN SOLUTIONS

*Systems, products and know-how
for a better environment.*



HYDROFIBRE

100% VERGIN WOOD FIBERS MULCH



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The most important difference among mulches
IS THE LENGTH OF THE FIBERS.

It is this propriety, more than anything else, that determines
the effectiveness of the product.

Hydrofibre is a 100% made up of virgin wood fibers mulch resulting from the thermo-mechanic processing of wood chips at 180°C, ensuring the absence of phytotoxic substances and pathogenic germs.

Hydrofibre is made with products of the non-tradable wood industry, which means new woods that haven't undergone any chemical treatment.

The combination between this high-temperature processing and the purity of the woods makes **Hydrofibre** free from pollutants that could inhibit the germination and the seed growth.

Hydrofibre is a renewable raw material that embraces the logic of the environmental protection, even though it is industrially produced.

Thanks to its fibrous structure, **Hydrofibre** is an extremely porous product that facilitates the passage of the air and the water drainage, creating the ideal microclimate for germination.

Moreover, it has constant physicochemical characteristics and contains fibers of different lengths, with at least 25%

of 10 mm long fibers that guarantee a uniform coverage.

Unlike mulches made of cellulose fibers, the longer wood fibers offer greater coverage, reaching up to a 25-30% decrease in the material required to cover the same area.

Hydrofibre has been dyed green with natural and non-toxic colorings to make the treated area look grass-covered from the very beginning.

Hydrofibre easily blends with water to form a homogenous slurry, even with the addition of other hydroseeding products, such as seeds, fertilizers, binders, soil amendments etc.

COVERAGE ON A GOLF COURSE



BENEFITS

Hydrofibre performs very important functions in hydroseeding, and its main benefits are listed here below:

- Hydrofibre can **create a very resistant coverage** thanks to the structure that the long fibers create by connecting with the tackifier, protecting the surface evenly from erosion. At the same time, it **keeps a certain porosity, thus regulating the moisture and isolating the seed from too low and too high temperatures and from extreme irradiation, but without suffocating it.**
- **It increases the water retention capacity of the blend** by releasing moisture slowly into the soil, thus creating the ideal microclimate for germination and the sprouts growth, and overcoming critical moments.
- Compared to other mulches, **it provides a higher germination rate** (+30% compared to cellulose) for the same quantity of product applied.
- **Hydrofibre can protect the seed and the soil from erosion** before the vegetative growth.
- Hydrofibre is **dyed green** to give an immediate semblance of grass, and acts like a tracer on the slope for an easy and uniform application.
- In the long term, its decomposition ensures a **further input of organic matter into the soil.**

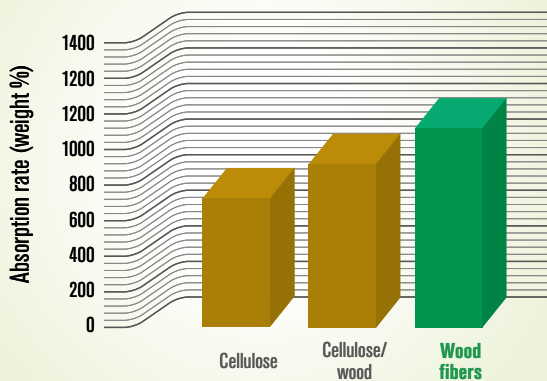
APPLICATION ON A RUNWAY



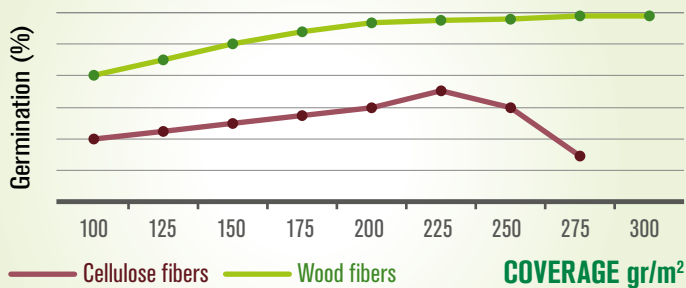
GERMINATION



WATER RETENTION COMPARISON BETWEEN WOOD FIBERS AND CELLULOSE FIBERS



COMPARISON OF GERMINATION BETWEEN WOOD FIBERS MULCH AND CELLULOSE MULCH



For the same material applied, **the percentage of germination is twice as high with wood fibers than with cellulose fibers.**

FEATURES

Virgin wood fibers	100%
Moisture (total weight base)	15.0% ±3.0%
Organic matter, min	99.3%
Inorganic materials, max	0.7%
Solidity in water pH 3% average value	4.9
Water retention capacity min (1:10)	100 mulch / 1000 gr water
Packaging in waterproof bag	25 kg ca.

APPLICATION RATE

The required amount varies depending on the type of intervention, soil characteristics, slope and weather.

Considering the mulching effect, the minimum recommended application rate is 90-100 gr/m².

In order to obtain the optimal coverage we recommend ca. 120-130 gr/m² for 2:1 slopes, and 170-200 gr/m² for steeper slopes.

APPLICATION RATE

110
gr/m²



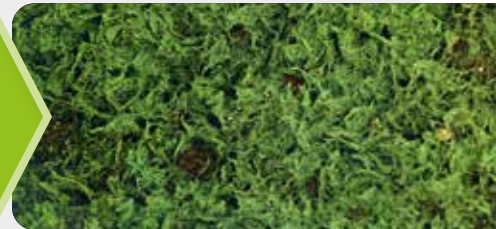
APPLICATION RATE

160
gr/m²



APPLICATION RATE

220
gr/m²



Hydrofibre is also used for planting **stolons and sedum**. Recommended amount of mulch: about 200-220 gr/m².

STOLON



SEDUM HYDROSEEDING





HYDROFIBRE

Case histories

ROAD SLOPE



RESIDENTIAL GARDEN



RETAINING WALL



GOLF COURSE



SKI SLOPE



MINE



GREEN ROOFTOP



SPORTS FIELD



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