

The green benchmark

GreenFibre® from Klasmann-Deilmann



we make it grow

GreenFibre® – the definition of high-grade wood fibre

We can look back on more than 20 years of success in using wood fibre as a constituent for our growing media. During this time we have been working intensively to develop the production technology required and to optimise the related processes in order to start the production of our own wood fibre. In 2010 we commissioned our first GreenFibre® production plant in Germany, followed by production sites in the Netherlands and Ireland.

The production of GreenFibre® includes the thermal and mechanical defibration of softwood chips. This process generates temperatures that can exceed 100 °C, with the result that any incompatible substances are

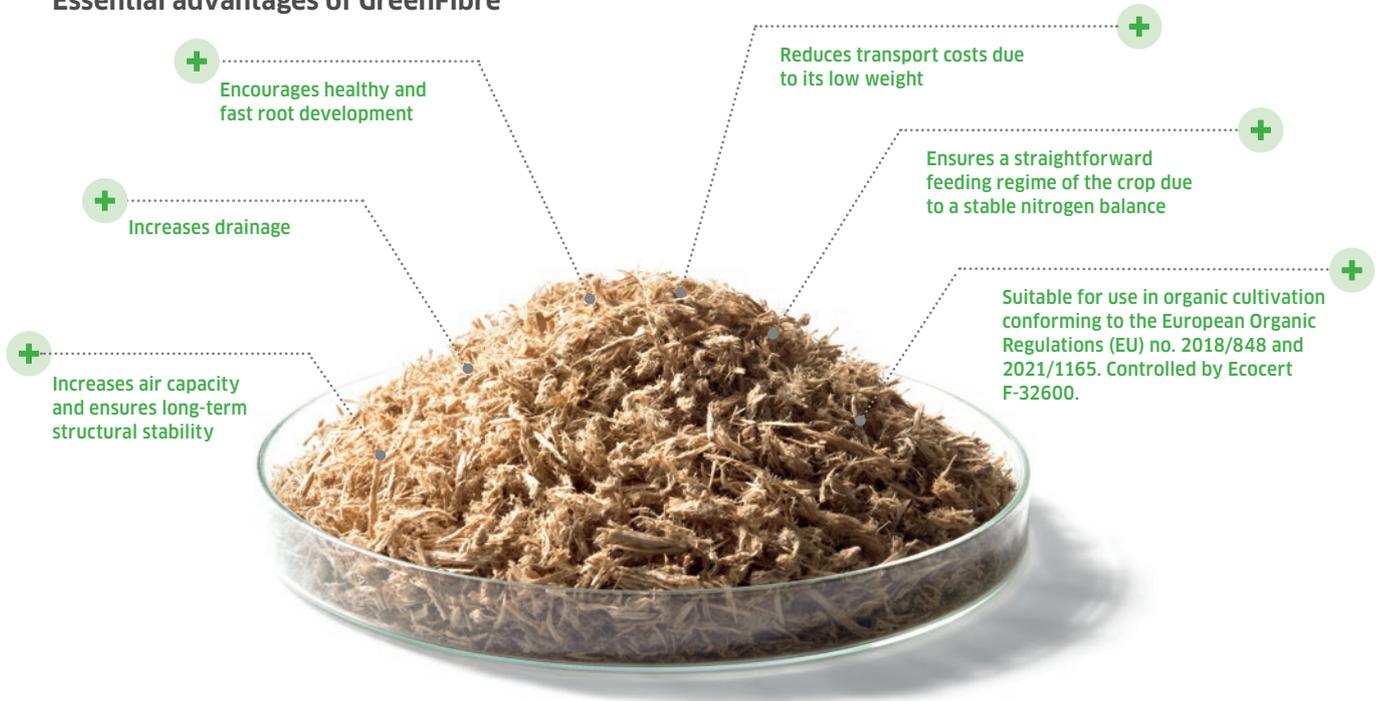
expelled as gases, thereby making the GreenFibre® a sanitized and safe constituent. The structure and physical properties of GreenFibre® can be adjusted very precisely. The result is a constituent of consistently high quality based on renewable resources.

The special production process ensures that GreenFibre® has a very low content of fine particles. This reduces any compaction of the substrate and prevents a reduction in the air capacity during cultivation. The coarse particles of GreenFibre® are better defibrated what ensures better drainage and a uniform distribution in the substrate.

GreenFibre® from Klasmann-Deilmann

GreenFibre® from Klasmann-Deilmann is a very high-quality, thermally and mechanically processed wood fibre that can structurally be fine-tuned to a wide range of individual applications. Used in combination with high-quality peat raw materials, GreenFibre® has proven its worth as the ideal constituent for structurally stable growing media.

Essential advantages of GreenFibre®



✓ Responsibly managed sources

Alongside reliability, sustainability is at the heart of our philosophy for growing media. The wood chips used to produce GreenFibre® are derived solely from responsibly managed forests. Wherever possible, we favour raw materials from local sources that meet sustainability criteria and opt for PEFC- and/or FSC-certified wood chips as the basis for GreenFibre®.

✓ GreenFibre® is RHP certified

GreenFibre® bears the RHP quality label, denoting its long-term suitability as a substrate constituent for commercial horticulture. In addition, our GreenFibre® production facilities are certified to the strict RHP standards, a guarantee of consistently high quality.



GreenFibre® fine

- Developed specifically for blocking substrates
- Supports press pot stability



GreenFibre® medium

- Optimal for bedding and potting substrates
- Very good capillarity and drainage

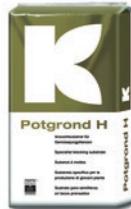


GreenFibre® coarse

- Ideal for coarse container substrates
- Long-term structural stability

BLOCKING SUBSTRATES WITH GREENFIBRE®

- Optimal recipes for very stable press pots
- Suitable for all blocking lines



| | | | |
|-----------------------------|---|---|---|
| Substrate | Potgrond H 90 + GreenFibre® | Potgrond H 85 + GreenFibre® | Potgrond H 50 + GreenFibre® |
| Recipe-No. | 844 | 078 | 847 |
| Composition | GreenFibre® fine Frozen through black peat | GreenFibre® fine Frozen through black peat | GreenFibre® fine White peat 'Blocking' (0 - 5 mm) Frozen through black peat |
| Clay | | | |
| pH-value (H ₂ O) | 6.0 | 6.0 | 6.0 |
| Fertilisation (g/l) | 1.5 | 1.5 | 1.5 |
| Extra trace elements | | | |
| Wetting agent | | Hydro S | Hydro S |
| Structure | Fine | Fine | Fine |
| Use for | Vegetable young plants | Vegetable young plants | Vegetable young plants |

SUBSTRATES WITH GREENFIBRE® FOR BEDDING AND PATIO PLANTS

- Very good drainage combined with high water retention
- Ideal structure for automated tray filling lines and cultivation



BP Substrate 4
fine with clay
+ GreenFibre®

665

GreenFibre® medium

White peat
(0 – 10 mm)

Frozen through black
peat



6.0

1.2

Hydro S

Fine

Bedding plants

BP Substrate 2
medium with clay
+ GreenFibre®

716

GreenFibre® medium

White peat
(0 – 25 mm)

Frozen through
black peat



6.0

1.0



Hydro S

Medium

Bedding and
patio plants

TS 3
medium basic with clay
+ GreenFibre®

441

GreenFibre® medium

White peat,
moderately
decomposed
(0 – 25 mm)



Clay granules

6.0

1.0



Hydro S

Medium

Bedding and patio
plants, Primrose, Viola

TS 3
medium
+ GreenFibre®

450

GreenFibre® medium

White sod peat
(10 – 25 mm)

White peat,
moderately
decomposed
(0 – 25 mm)



6.0

1.0



Hydro S

Medium

Bedding plants,
Primrose, Viola

! The products shown in this leaflet are an exemplary choice. More products with GreenFibre for any application and for specific requirements are available on request.

TerrAktiv® FT

TerrAktiv®

Perlite

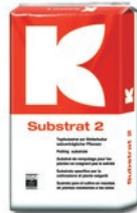
GreenFibre® coarse

GreenFibre® medium

GreenFibre® fine

Coir

- Very good drainage and structural stability
- Optimal root development



| Substrate | Substrate 2 medium + GreenFibre® | Substrate 5 medium with clay + GreenFibre® | TS 1 medium basic + GreenFibre® | TS 4 PLUS medium + GreenFibre® |
|-----------------------------|--|---|---|--|
| Recipe-No. | 120 | 666 | 814 | 616 |
| Composition | <div style="background-color: #ffff00; padding: 2px;">GreenFibre® medium</div> <div style="background-color: #c8e6c9; padding: 2px;">White peat (0 - 25 mm)</div> <div style="background-color: #e8f5e9; padding: 2px;">White sod peat (5 - 15 mm)</div> <div style="background-color: #004d40; padding: 2px;">Frozen through black peat</div> | <div style="background-color: #ffff00; padding: 2px;">GreenFibre® medium</div> <div style="background-color: #546e7a; padding: 2px;">Peat fibres</div> <div style="background-color: #c8e6c9; padding: 2px;">White peat (0 - 25 mm)</div> <div style="background-color: #004d40; padding: 2px;">Frozen through black peat</div> | <div style="background-color: #ffff00; padding: 2px;">GreenFibre® medium</div> <div style="background-color: #c8e6c9; padding: 2px;">White peat (0 - 25 mm)</div> | <div style="background-color: #ffff00; padding: 2px;">GreenFibre® medium</div> <div style="background-color: #c8e6c9; padding: 2px;">White sod peat (10 - 25 mm)</div> <div style="background-color: #4caf50; padding: 2px;">White peat, moderately decomposed (0 - 25 mm)</div> |
| Clay | | ✓ | | |
| pH-value (H ₂ O) | 6.0 | 6.0 | 6.0 | 6.0 |
| Fertilisation (g/l) | 2.0 | 1.0 | 1.0 | 1.0 |
| Extra trace elements | | ✓ | ✓ | ✓ |
| Wetting agent | | Hydro S | Hydro S | Hydro S |
| Structure | Medium | Medium | Medium | Medium |
| Use for | Geranium, Chrysanthemum, Fuchsia | Cyclamen, Geranium, Perennials, Bedding plants | Salt-sensitive ornamental plants | Ornamental plants, Foliage plants |

Frozen through black peat
 Peat fibres
 White peat, moderately decomposed
 White peat fibres
 White peat

SUBSTRATES WITH GREENFIBRE® FOR NURSERY STOCK

- Very good drainage and structurally stable in the long term
- Also available with controlled release fertiliser



Container Substrate 1
medium
+ GreenFibre®

559

GreenFibre® coarse

Peat fibres

White peat (0 – 25 mm)

White sod peat (10 – 25 mm)

Frozen through
black peat



Container Substrate 2
coarse
+ GreenFibre®

272

GreenFibre® coarse

Peat fibres

White sod peat
(25 – 45 mm)

Frozen through
black peat



TS 4 Ericaceous plants
+ GreenFibre®

254

GreenFibre® medium

White peat
(0 – 25 mm)

White sod peat
(10 – 25 mm)



TS 4 PLUS
coarse
+ GreenFibre®

620

GreenFibre® medium

White sod peat
(10 – 25 mm)

White sod peat
(25 – 45 mm)

White peat,
moderately
decomposed
(0 – 25 mm)

6.0

1.0



Hydro S

Medium-fibrous

Shrubs

5.7

None



Trees, Conifers

Coarse-fibrous

4.8

None



Hydro S

Medium

Gardenia, Camelia,
Ericaceous plants,
Gaultheria

6.0

1.0



Hydro S

Coarse

Shrubs and trees,
Ornamental plants,
Foliage plants

! The products shown in this leaflet are an exemplary choice. More products with GreenFibre for any application and for specific requirements are available on request.

TerrAktiv® FT TerrAktiv® Perlite GreenFibre® coarse GreenFibre® medium GreenFibre® fine Coir

DISCLAIMER:

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More about GreenFibre®:



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