

Corentin and Thierry Perrot,  
satisfied ADVANCED customers,  
owners of 'DAMOPLANTES'  
in France

A large, white, stylized letter 'K' logo that serves as a background for the text in the bottom right section.

Part of the  
winning team

ADVANCED Potting Substrates

[www.klasmann-deilmann.com](http://www.klasmann-deilmann.com)





## ADVANCED Potting Substrates: Combine crop security with sustainability

More alternative materials, the protection of valuable resources as well as the reduction of emissions and the use of local materials are as much a requirement today as the best technical performance for the crop. To meet all these demands we have used our more than 30 years of practical experience with alternative constituents – such as wood fibre, green compost, bark, perlite and coir – to develop a brand new portfolio of substrates: ADVANCED Container Substrates. This range does not only meet the requirements of modern horticulture, it sets a new standard in international horticulture.

### Main features of our ADVANCED Substrates:

- Tried and tested recipes for utmost crop security
- Meet the latest requirements of professional horticulture
- Modern alternative constituents with positive properties
- Optimised product weight and loading volume
- Resource-saving through the use of alternative raw materials
- Significant reduction of emissions
- Peat only from responsibly managed sources with RPP certification

***“Helleborus is a niche product. This is where the right substrate recipe is essential. We see great success with TerrAktiv® and GreenFibre® in our mixture. The plants are stronger, more compact and resistant. We are very grateful to have such a reliable partner in Klasmann-Deilmann.”***

Thierry van Paemel, satisfied ADVANCED customer, co-owner of 'BVBA Helleborus',  
a leading producer of Helleborus in Belgium

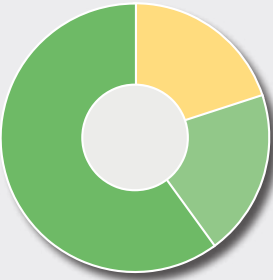


Find out more about our  
ADVANCED Potting Substrates



Some examples of convincing crop results  
with ADVANCED Potting Substrates

TS 4 Green Plant coarse + GreenFibre®
T89



Structure – coarse

pH-value (H<sub>2</sub>O) – 6.0

Fertilisation (g/l) – 1.0

Extra trace elements – ✓


Water capacity – ++

Air capacity / drainage – +++++

Structural stability – +++++

Characteristics – Very high air capacity and drainage for best root development

Use for – Foliage plants, Anthurium, Calathea, Cyclamen



19%  
less CO<sub>2</sub>\*

\*Compared to segment standard with 100% peat (rec. 681), verified in accordance with ISO 14064-1 standard

● GreenFibre® medium ● White peat fibres coarse-fibrous ● White sod peat (25 – 45 mm)



Crop results (Rec. T89)

Practical findings:

- Plants cultivated in the substrate GreenFibre® showed superior root development
- Very low share of fine particles at the bottom of pots
- Fast and even water uptake in the ebb and flow irrigation system
- Liquid-feeding was carried out in line with common practice, no fixation of nitrogen occurred during cultivation

Ficus benjamina grown in TS 4 Green Plant coarse + GreenFibre® (The Netherlands)

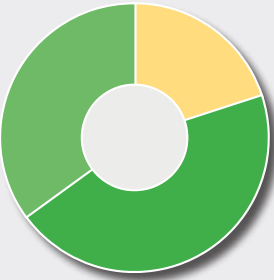


GreenFibre®: Our premium wood fibre

- Specifically developed for the needs of modern horticulture
- Manufactured inhouse by Klasmann-Deilmann and fully RHP certified
- Made of virgin wood from responsibly managed sources
- Improves aeration and structural stability in substrates
- Stable nitrogen balance to suit normal feeding regime
- Low weight and low carbon footprint
- Very safe constituent and well available throughout the year



TS 4 PLUS medium + GreenFibre®
616



Structure – medium

pH-value (H<sub>2</sub>O) – 6.0

Fertilisation (g/l) – 1.0

Extra trace elements – ✓


Water capacity – +++

Air capacity / drainage – +++

Structural stability – +++++

Characteristics – High structural stability and increased water retention

Use for – Ornamental plants, foliage plants



19%  
less CO<sub>2</sub>\*

\*Compared to segment standard with 100% peat (rec. 608), verified in accordance with ISO 14064-1 standard

● GreenFibre® medium ● White peat, moderately decomposed (0 – 25 mm) ● White sod peat (10 – 25 mm)



Crop results (Rec. 616)

Practical findings:

- Very positive results with sensitive varieties
- Increased drainage – easier water management
- Substrate surface remains drier, less problems with liverwort algae and sciarid flies
- Reduced occurrence of root diseases
- With a normal nitrogen-based liquid feeding scheme in line with common practice, no special feeding is required

Begonia Elatior hybrids potted in TS 4 PLUS medium + 20% GreenFibre® (The Netherlands)



Benefits of ADVANCED Potting Substrates with GreenFibre®

- Increased air capacity and long-term structural stability
- Better drainage, thus very healthy and fast root development
- Better water distribution in the substrate for easier rewetting
- Less algae and moss, due to drier substrate surface
- Low weight for reduced transport costs and less carbon emissions



## More advanced product solutions for pot plants



### TerrAktiv® PLUS: Microbially vitalised substrates for healthy plants

- ⊕ Better alternative to all common biostimulants
- ⊕ Strong microbial vitalisation of growing media
- ⊕ Higher resistance to soil-borne fungal infections and abiotic stress factors (e.g. nutrient deficiency, temperature and humidity fluctuations)
- ⊕ More robust and healthier crops with improved root growth
- ⊕ Suppression of mould
- ⊕ Improved nutrient release from organic fertilisers
- ⊕ May reduce need for mineral slow release fertilisers when used in combination with organic fertilisers



Find out more about  
TerrAktiv® PLUS



### Log & Solve®: The digital consulting platform

- ⊕ Safeguard the yield of your crops
- ⊕ Improve production efficiency and reduce crop failure
- ⊕ Monitor relevant cultivation parameters to anticipate crop issues
- ⊕ Gain data-based conclusions for faster problem solving
- ⊕ Share digital cultivation data with advisors for expert support
- ⊕ Log data about cultivation measures, observations from crop walks, pictures and more
- ⊕ Usable with smartphones



Find out more about  
Log & Solve®

*“We were impressed that the company known for its peat substrates made the brave move to ADVANCED substrates. We were able to achieve good plant quality and the crop management was easy. It is required to adapt to the new substrate slightly, but Klasmann-Deilmann has never let us down in terms of quality and support.”*

Li Qiang,  
satisfied ADVANCED customer,  
managing director of 'Yunnan Yunshan' nursery in China





## DISCLAIMER

The information in this brochure is based on our current knowledge and does not claim to be complete or correct. We reserve the right to make changes. We do not assume any guarantee or liability for successful cultivation, as the use of our products must be adapted to the individual site, storage and cultivation conditions of the respective nursery, which is beyond our knowledge and influence. The information in this brochure cannot replace individual advice. They are neither binding nor part of a consulting or information contract.



*we make it grow*

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