

Stéphane Le Lez,  
satisfied ADVANCED  
customer and owner  
of 'Le Lez Horticulture'  
in France



# K Showing their colours

ADVANCED Bedding Substrates

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



***“Our ADVANCED substrate is lighter, provides good aeration and is easy to cultivate. The plants and especially their root system develop very well in it. Today, environmental aspects and the consumer determine our actions. Peat will become scarcer and we must continue to make progress with alternative raw materials. So why not also think about the use of GreenFibre®.”***

Corentin Perrot, satisfied ADVANCED customer and co-owner  
of 'DAMOPLANTES' in France

## ADVANCED Bedding Substrates: Reliable and sustainable cultivation.

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 Bedding 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



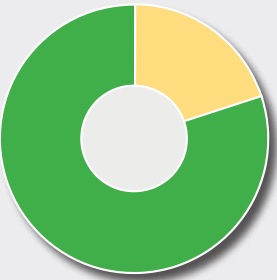
Find out more about our  
ADVANCED Bedding Substrates



Some examples of convincing crop results with ADVANCED Bedding Substrates

TS 3 medium basic + GreenFibre®

426



Structure – medium

pH-value (H<sub>2</sub>O) – 6.0

Fertilisation (g/l) – 1.0

Extra trace elements – ✓


Water capacity – + + + + +

Air capacity / drainage – + +

Water uptake – + + + +

Characteristics – Good water retention combined with improved porosity

Use for – Bedding plants, perennials



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

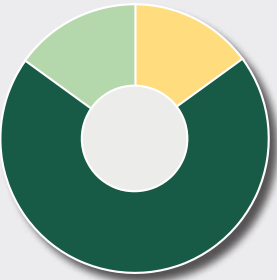
\*Compared to segment standard with 100% peat (rec. 425), verified in accordance with ISO 14064-1 standard

GreenFibre® medium

White peat, moderately decomposed (0-25 mm)

Substrate 1 + GreenFibre®

098



Structure – fine

pH-value (H<sub>2</sub>O) – 5.8

Fertilisation (g/l) – 1.2

Extra trace elements – none


Water capacity – + + + + +

Air capacity / drainage – + +

Water uptake – + + + + +

Characteristics – Allround substrate forpricking out and growing on

Use for – Bedding and patio plants



14% less CO<sub>2</sub> \*

\*Compared to segment standard with 100% peat (rec. 095), verified in accordance with ISO 14064-1 standard

GreenFibre® medium

Frozen through black peat

White peat (0-10 mm)



Crop results (Rec. 426)

Practical findings:

- ⊕ Very even plant growth
- ⊕ Superior root growth due to lower risk of waterlogging in the root zone
- ⊕ Easier irrigation management, very fast rewetting
- ⊕ No ‚dry edge‘-effect on tables
- ⊕ Ideal also in combination with controlled release fertiliser
- ⊕ Reduced substrate weight allows higher truck loading volumes

Improved root development in TS 3 with 20% GreenFibre® (left) compared to the standard potting substrate with 10% perlite (right)



Crop results (Rec. 098)

Practical findings:

- ⊕ Universal bedding mix for small pots
- ⊕ Ideal for a wide range of bedding crops and perennials
- ⊕ Fast development of active fibre roots
- ⊕ No shrinkage during cultivation
- ⊕ Substrate surface dries off faster and prevents growth of algae
- ⊕ Easy rewetting supports a dry-cultivation approach for compact plants

Very healthy roots of Bacopa grown in Substrate 1 + GreenFibre® (rec. 098)



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



Benefits of ADVANCED Bedding Substrates with GreenFibre®

- ⊕ Well balanced air/water ratio due to the use of more decomposed peat and black peat with GreenFibre®
- ⊕ Reliable air capacity and good structural stability
- ⊕ Very fast water uptake and distribution in the substrate, thus easier rewetting and water management
- ⊕ Better drainage, thus very healthy and fast root development
- ⊕ Less algae and moss, due to drier substrate surface
- ⊕ Low weight for reduced transport costs and less carbon emissions



## More advanced product solutions for bedding 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®



**“GreenFibre® allows the substrate surface to dry off faster. Algae formation is no longer an issue and crops are less susceptible to diseases. Especially in ebb and flow systems, the substrate draws water very quickly and distributes it well throughout the root ball.”**

Anja Fritzen, Technical Advisor, Klasmann-Deilmann (Germany)



## 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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