SUBSTRATES
Easy Growing

Our international bestsellers

Easy Growing – Growing media for commercial horticulture

1913

we make it grow

SUBSTRATES
Easy Growing

Contents

The Klasmann-Deilmann Group

Klasmann-Deilmann is the leading group of companies in the international substrate industry, with sales and production companies in Europe, Asia and America. Our growing media provide the essential basis for plant growing and the success of our partners and customers in the commercial horticultural sector all over the world. We are the most sustainability-minded company in the substrate industry and are also becoming a major supplier in the field of Renewable Energy and Resources.

Our ambitious sustainability strategy includes reporting to the GRI-G4 standards and a carbon footprint verified in accordance with ISO 14064.

Our objective is to achieve sustainable growth and continuing success in all areas of our business. In pursuing these goals, we are able to rely on our employees, who are committed to moving our company forward and whose performance we consistently seek to foster.

Our corporate guidelines, based on our certifications to ISO 9001 and ISO 14001, serve as a constant challenge for us to assume responsibility for people, the environment and coming generations. Our environmental protection measures include the re-wetting of several thousand hectares of former peat extraction land and restoring typical bogland conditions there.

Overview of our business fields

- SUBSTRATES Easy Growing
- SUBSTRATES Select
- SUBSTRATES Florabella®
- RAW MATERIALS GreenFibre®
- RAW MATERIALS TerrAktiv®
- RAW MATERIALS Peat
- RAW MATERIALS Fertilizers
- RAW MATERIALS Additives
- ENERGY Wood Chips
- SPECIAL APPLICATIONS Containermulch
- SPECIAL APPLICATIONS Animal Bedding

Quality-assured raw materials for substrates

ISO 9001	ISO 14001	ISO 14064	R.H.P.	PEFC	Grünstempel®	GRI-G4
✓	✓	✓	✓	✓	✓	✓

The primary raw material for the development and production of our growing media are white and black peat. To obtain the ideal substrate product, we frequently supplement these raw materials with other organic and mineral raw materials, including wood fibre, green compost and coir.

All our raw materials are continuously tested for suitability for their use in substrate production, and we also conduct vegetation trials to assure the physical, chemical and biological properties of our growing media and make them even better.

To document the consistent high quality of our growing media, we have the complete value creation chain, from the raw materials to the production sites and the finished products, audited for conformity with the rigorous, internationally recognised guidelines of RHP (Regeling Handels Potgronden, NL).

Our TerrAktiv green compost and the PEFC-certified GreenFibre wood fibre also meet the RHP criteria.

We supplement our certified raw materials with our own proprietary fertiliser formulations, wetting agents and additives.

Our organic substrates meet the specifications and guidelines of the growers' organisations in Germany, Austria and Switzerland. The entire production process for composting and organic substrates is subject to monitoring by the European inspection body "EU-Ökokontrollstelle Grünstempel". Depending on the field of application of our substrates in organic horticulture, we achieve up to 50% peat substitution through the addition of TerrAktiv, GreenFibre and clay. Organic fertilisers used in this segment include horn shavings from BSE-free countries.

RAW MATERIALS
GreenFibre®

Wood fibre

GreenFibre is a high-quality, thermally and physically processed wood fibre that can be tailored in different ways for its intended use. In combination with high-grade raw peat materials, GreenFibre is an ideal component of structurally stable growing media. This special wood fibre is produced in our own plants in Germany, Ireland and the Netherlands. GreenFibre is certified to RHP and PEFC, and for use in organic substrates meets the requirements of Regulation (EC) No. 834/2007 and Implementing Regulation (EC) No. 889/2008, Annex I, with auditing performed by Grünstempel®.

GreenFibre promotes rapid, healthy root development, increases the air capacity and ensures long-term structural stability of the substrate. It also optimises drainage, improves re-wetting, and reduces the risk of algae during the cultivation period as the surface of the substrate dries off more quickly.

RAW MATERIALS
TerrAktiv®

TerrAktiv Green compost

TerrAktiv green-waste compost is produced in our own composting units and certified to the Dutch RHP standard. In the course of the composting process, the compost material is treated with biodynamic substances. Predatory mites (Hypoaspis miles) are also added in order to prevent infestation of the greenhouse with fungus gnats (Sciara spp.).

Since TerrAktiv is used in particular as a base constituent for organic substrates, the processes and components used in production fulfil the requirements of Regulation (EC) No. 834/2007 and Implementing Regulation (EC) No. 889/2008, Annex I, with auditing performed by Grünstempel®. All raw materials and organic fertilisers are GMO-free and are regularly analysed for residues. TerrAktiv meets the regulations in force in Germany, Austria and Switzerland.

TerrAktiv FT

TerrAktiv FT is a mixture of compost and fibre, created by combining TerrAktiv with GreenFibre and subjecting it to a special fermentation process. This fermentation stabilises the nitrogen content, transforms added organic nutrients and results in an optimised substrate base material with low salt and nutrient content. Especially at the start of cultivation, TerrAktiv FT significantly enhances the crop security of sensitive plants. TerrAktiv FT is the ideal raw material for organic substrates used for growing pot herbs, and also for blocking substrates.

RAW MATERIALS
Peat

White and black peat

Thanks to its outstanding physical, chemical and biological properties, peat remains the most important raw material for use in growing media. Security of supply is therefore a matter of major importance. Klasmann-Deilmann owns large areas of land in Germany for the extraction of frozen black peat. High-quality peat resources with a higher level of decomposition have also been available for several years in Lithuania and are now being increasingly used for substrate production. We also have extensive resources at our disposal in Lithuania, Latvia and Ireland for the production of white peat in either sod-cut or milled form which will assure supply for our production plants for many decades to come. The raw material treatment process is subject to constant improvement.

Acting with responsibility

Our benchmark is sustainability in all areas of our business. We strive to bring together economy, ecology and social responsibility in a comprehensive strategy that shapes our actions in the present and paves our way into the future.

Our responsibility for nature

– Of the huge areas of raised bogland that exist in the world, only a very small part is used for peat extraction. Intact bogs are nature conservation areas, and are left untouched by us. In line with the voluntary commitments made in the “Code of Practice”, we obtain our raw materials exclusively from peat bogs that were drained decades ago, when this process was still the politically and socially accepted practice.

– These areas of land are subject to very strict legal regulations, which stipulate the performance of renaturation once peat extraction has ended. In particular through re-wetting, we convert former extraction areas into typical bog-like landscapes where peat moss can begin to grow again. Other measures we have successfully carried out include making the land available for agricultural or forestry after-use, or simply leaving it to natural succession, allowing tolerant vegetation to establish spontaneously. This is all part of our comprehensive environmental policy pursuant to ISO 14001.

Use of peat as a substrate raw material

Klasmann-Deilmann uses peat as a raw material in the production of its growing media, and as things stand today, peat is indispensable for use in commercial horticulture:

– Peat-based growing media offer unique crop security for the whole diversity of crop plants. Eliminating peat from growing media diminishes crop security.

– Peat-based growing media can be produced and delivered in consistent quality.

– After being duly processed, the various peat types have optimum physical, chemical and biological plant cultivation properties which, taken all together, cannot be matched by any other raw material.

– Other raw materials, such as wood fibre, compost and coco pith, form an excellent supplement to peat. But these materials only achieve their desired horticultural effect in combination with peat.

– Raw peat materials are available in sufficient quantities to cover the world-wide demand for growing media.

– Ceasing to use peat in growing media would cause a gap in the supply chain. Alternative raw materials such as wood fibre and compost are not available in sufficient quantities to allow peat-free growing media to be produced on the required scale – either for Germany, Europe or the world as a whole. The supply of such alternatives could also be still further diminished, and their price could rise, as they become increasingly attractive for energy uses in future.

15% alternative substrate raw materials

– Every substrate raw material causes emissions, though in different amounts. Peat is among the raw materials with comparatively high CO_2 values because in contrast to wood fibres and compost, it does not count as a renewable raw material.

– The targeted use of volume-forming substrate raw materials in place of peat has a fundamentally positive impact on the carbon footprint of our growing media. We have therefore set ourselves the goal of increasing the share of alternative substrate raw materials by 15% of the annual output volume by the year 2020.

Easy Growing – The product line

Easy Growing is a comprehensive range of perfectly functioning growing media for a wealth of commercial horticulture applications. From sowing and growing-on to ecological cultivation methods, Easy Growing can take care of all cultivation processes.

Successful, but not complicated

All the key factors for the success of a substrate have been incorporated into the development of our Easy Growing line: wide-ranging expertise and years of experience with crops and cultivation methods, complete familiarity with all available raw materials, additives and fertilisers, as well as unexcelled skill in processing the raw materials and mixing the substrates. Easy Growing are substrates at their best.

Easy Growing covers our most successful products worldwide. Each product is made to a time-tested recipe and has proved itself in many different applications. Consequently, the Easy Growing product line fulfils all key requirements for successful commercial horticulture: mature, practice-proven substrates for problem-free cultivation with maximum crop security.

Quality down to the last detail, with many built-in safeguards

A growing media is as good as the sum of the individual ingredients that have gone into it. Klasmann-Deilmann has been an expert in the production and processing of raw peat materials for more than a century. Only the best raw materials, additives and nutrient combinations are used for Easy Growing.

The recipes reflect the latest developments in research and technology and are only adjusted when reliable research results and successful outcomes of practical trial show the modifications to be worthwhile. Every mixture has proved itself in numerous applications under widely differing conditions.

Klasmann-Deilmann is certified to ISO 9001. The complete value creation chain, from the raw materials to the finished growing media, is also subject to monitoring by RHP (Regeling Handels Potgronden, NL), the most rigorous and comprehensive quality control in our industry. Our organic substrates are certified by Grünstempel® and meet the requirements of Regulation (EC) No. 834/2007 and Implementing Regulation (EC) No. 889/2008 Annex I.

Easy Growing – The forms of supply

For all Klasmann-Deilmann growing media, the volume is measured in accordance with European Standard EN 12580. The standard lays down the procedure to be used for measuring the volume of growing media and other peat products which are supplied in bulk or as packaged products. The quantity indication generally relates to the quantity at the time of production.

Substrates in the Easy Growing product line are available in the following standard forms:

Packaged goods: 70 litre bags

Packaged goods: 200 litre bags

Big Bales

Bulk

Average substrate consumption for different pot sizes

Pot size	Substrate requirement in l for 1,000 pots*	Number of pots per m³ substrate*
6 cm ø	130 – 160	6900
8 cm ø	230 – 280	3,920
9 cm ø	330 – 380	2,820
9 x 9 x 9,5 cm	600 – 650	1,600
10 cm ø	460 – 510	2,060
10 x 10 x 11,5 cm	920 – 970	1,050
11 cm ø	670 – 720	1,440
12 cm ø	880 – 930	1,150
13 cm ø	1,100 –1,200	870
1.5 l cont.	1,700 – 2,000	540
2.0 l cont.	2,300 – 2,600	410

* Average figures only, based on the volume as per EN 12580.
Variations may arise in particular through different pot types, varying substrate moisture levels and the compression during potting. The size of the seedling root ball also has a significant impact.

Please contact our personnel for information on what forms of supply are available for which product.

PROPAGATION | Seedling substrates

- Healthy young plants from direct sowing
- Very fine, free-flowing structure for automated filling lines

Substrate	Seedling Substrate	Steckmedium	Potgrond H 90 SL
Recipe-No.	080	300	067
Composition	Coir, buffered Frozen through black peat White sod peat (1 – 7 mm)	Perlite (1 – 7.5 mm) White peat (0 – 7 mm) White sod peat (1 – 7 mm)	White peat (0 – 7 mm) Frozen through black peat, less decomposed
Clay			
pH-value (H_2O)	6.0	6.0	6.0
Fertilisation (g/l)	0.7	0.5	1.5
Extra trace elements	√	√	
Wetting agent	Hydro S	Hydro S	
Structure	extra fine	fine	fine
Use for	Salt-sensitive ornamental plants, e.g. Begonia semperflorens, Impatiens	Rooting of cuttings	Vegetable and tobacco seedlings

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

Tray Substrate

060

White peat
(0 – 5 mm)

Frozen through
black peat

6.0

1.3

√

Hydro S

extra fine

Vegetable and
tobacco seedlings

Base Substrate 1
fine

413

White peat
(0 – 5 mm)

6.0

none

√

Hydro S

extra fine

Basis for self-mixing
of substrates or
in combination with
fertilisation by
the grower

TS 1
fine

876

White peat
(0 – 5 mm)

6.0

1.0

√

Hydro S

extra fine

Vegetable young
plants, ornamental
young plants

TS 3
fine

416

White peat,
moderately
decomposed
(0 – 5 mm)

6.0

1.0

√

Hydro S

extra fine

Vegetable young
plants, ornamental
young plants

TS 3 Aquasave

316

Frozen through
black peat

White peat,
moderately
decomposed
(0 – 5 mm)

6.0

1.5

√

Hydro S

extra fine

Vegetable young plants

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

PROPAGATION | Seedling substrates

- Healthy young plants from direct sowing
- Very fine, free-flowing structure for automated filling lines

Substrate	Plug Mix	Plug Mix Extra Plus
Recipe-No.	408	402
Composition	White sod peat (1 – 7 mm) White peat (0 – 5 mm)	White peat (0 – 5 mm) White sod peat (1 – 7 mm)
Clay		
pH-value (H_2O)	6.0	6.0
Fertilisation (g/l)	0.7	0.7
Extra trace elements	√	√
Wetting agent	Hydro S	Hydro S
Structure	fine	fine
Use for	Vegetable young plants, Seedlings	Vegetable young plants, Seedlings

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

PROPAGATION | Blocking substrates

- Stable press pots
- Ideal for all blocking lines

Potgrond H 70

047

White peat (0 – 7 mm)

Frozen through black peat

6.0

1.5

fine

Vegetable and tobacco seedlings

Potgrond P

002

Frozen through black peat

6.0

1.5

fine

Vegetable young plants

Potgrond H 90

030

White peat (0 – 7 mm)

Frozen through black peat

6.0

1.5

fine

Vegetable young plants, Viola

Potgrond H 80

051

White peat (0 – 7 mm)

Frozen through black peat

6.0

1.5

fine

Vegetable young plants, Viola

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

SUBSTRATES Easy Growing

ORGANIC PLANT PRODUCTION

– Ideal substrates for press pots and cultivation of pot herbs
– Certified by Grünstempel® on the basis of the EU regulation on organic production




Substrate	Bio Potgrond	Bio Substrate 2	Bio Herb Substrate	Bio Tray Substrate
Recipe-No.	025	027	693	062
Composition	TerrAktiv TerrAktiv FT Frozen through black peat	TerrAktiv TerrAktiv FT White peat (0 – 25 mm) Frozen through black peat	TerrAktiv Coco fibres Frozen through black peat White sod peat (5 – 15 mm) White peat (0 – 25 mm)	TerrAktiv Frozen through black peat White peat (0 – 5 mm)
Clay				
pH-value (H_2O)	6.0	6.0	6.0	6.0
Fertilisation (g/l)	organic	organic	organic	organic
Extra trace elements	√	√	√	√
Wetting agent				
Structure	fine	medium	medium	extra fine
Use for	Vegetable young plants	Pot herbs, Vegetable young plants	Pot herbs, Tomato, Pepper, Cucumber	Pot herbs, Vegetable young plants

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

BEDDING AND PATIO PLANTS

– Successful cultivation in packs and pots
– Also available with slow-release fertiliser

BP Substrate 1 medium

397

- Frozen through black peat
- Peat fibres
- White peat (0 – 25 mm)

6.0

1.5

Hydro S

medium

Bedding and patio plants

BP Substrate 1 medium with clay

460

- Frozen through black peat
- Peat fibres
- White peat (0 – 25 mm)

✓

6.0

1.5

Hydro S

medium

Geranium, Bedding and patio plants

BP Substrate 2 medium

274

- White peat (0 – 25 mm)
- Frozen through black peat

6.0

1.5

Hydro S

medium

Bedding plants

BP Substrate 2 medium + GreenFibre

668

- GreenFibre
- White peat (0 – 25 mm)
- Frozen through black peat

6.0

1.2

Hydro S

medium

Geranium, Bedding and patio plants

BP Substrate 2 medium with clay

264

- White peat (0 – 25 mm)
- Frozen through black peat

✓ clay granules

6.0

1.5

Hydro S

medium

Bedding plants, Primrose, Viola

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

SUBSTRATES Easy Growing

BEDDING AND PATIO PLANTS

- Successful cultivation in packs and pots
- Also available with slow-release fertiliser

	BP Substrate 2 fine | medium + GreenFibre	BP Substrate 2 fine | medium with clay + GreenFibre	BP Substrate 3 medium with clay	BP Substrate 4 fine with clay
Recipe-No.	698	716	265	276
Composition	White peat (0 – 20 mm) GreenFibre Frozen through black peat	White peat (0 – 20 mm) GreenFibre Frozen through black peat	Frozen through black peat White peat (0 – 25 mm)	White peat (0 – 10 mm) Frozen through black peat
Clay		√ clay granules	√ clay granules	√ clay granules
pH-value (H_2O)	6.0	6.0	6.0	6.0
Fertilisation (g/l)	1.0	1.0	1.5	1.5
Extra trace elements	√	√		
Wetting agent	Hydro S	Hydro S	Hydro S	Hydro S
Structure	fine/medium	fine/medium	medium	fine
Use for	Bedding and patio plants	Bedding and patio plants	Bedding and patio plants, Primrose, Viola	Bedding plants, Primrose, Viola

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

BP Substrate 4
fine with clay
+ GreenFibre

665

GreenFibre

White peat
(0 – 10 mm)

Frozen through
black peat

✓ clay granules

6.0

1.2

Hydro S

fine

Bedding plants

Substrat 1

Substrat 1
fine

090

White peat
(0 – 10 mm)

Frozen through
black peat

6.0

1.0

fine

Salt-sensitive
ornamental plants,
Pot herbs

Substrat 4

Substrat 4
with clay

267

White peat
(0 – 25 mm)

White sod peat
(5 – 15 mm)

Frozen through
black peat

✓

6.0

1.5

medium

Bedding plants,
Primrose, Viola

TS 3

TS 3
medium basic

425

White peat,
moderately
decomposed
(0 – 25 mm)

6.0

1.0

✓

Hydro S

medium

Bedding plants

TS 3

TS 3
medium basic with clay

404

White peat,
moderately
decomposed
(0 – 25 mm)

✓ clay granules

6.0

1.0

✓

Hydro S

medium

Bedding plants,
Primrose, Viola

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

SUBSTRATES Easy Growing

BEDDING AND PATIO PLANTS

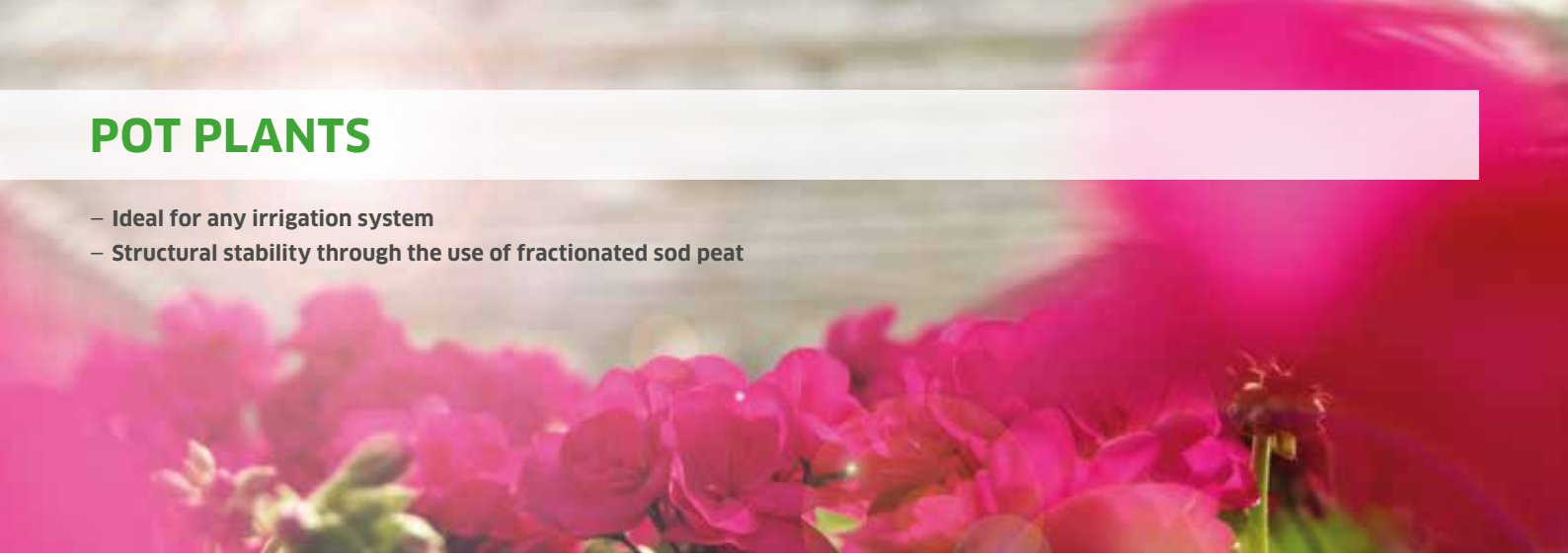
- Successful cultivation in packs and pots
- Also available with slow-release fertiliser

Substrate	TS 3 medium	TS 3 medium with clay
Recipe-No.	601	607
Composition	White peat (0 – 25 mm)	White peat (0 – 25 mm)
	White sod peat (10 – 25 mm)	White sod peat (10 – 25 mm)
	White peat, moderately decomposed (0 – 25 mm)	White peat, moderately decomposed (0 – 25 mm)
Clay		√ clay granules
pH-value (H_2O)	6.0	6.0
Fertilisation (g/l)	1.0	1.0
Extra trace elements	√	√
Wetting agent	Hydro S	Hydro S
Structure	medium	medium
Use for	Bedding plants	Growing-on of Geranium, Bedding plants

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

POT PLANTS

– Ideal for any irrigation system
– Structural stability through the use of fractionated sod peat



Substrate 2

120

White peat (0 – 25 mm)

White sod peat (5 – 15 mm)

Frozen through black peat

6.0

2.0

medium

Geranium, Chrysanthemum, Fuchsia

Clay Substrate

170

White sod peat (10 – 25 mm)

White peat (0 – 25 mm)

Frozen through black peat

√ clay granules

6.0

1.5

medium

Cyclamen, Primrose, Geranium, Perennials

Substrate 5 with clay

590

Frozen through black peat

White peat (0 – 25 mm)

White sod peat (10 – 25 mm)

Peat fibres

√

6.0

1.5

√

medium

Begonia, Cyclamen, Poinsettia

Substrate 5 with clay + GreenFibre

666

White sod peat (10 – 25 mm)

Frozen through black peat

Peat fibres

GreenFibre

White peat (0 – 25 mm)

√ clay granules

6.0

1.0

√

Hydro S

medium

Cyclamen, Geranium, Perennials, Bedding plants

Substrate 5 with Perlite and clay

446

Perlite

White peat (0 – 25 mm)

White sod peat (10 – 25 mm)

Peat fibres

√ clay granules

6.0

1.5

√

Hydro S

medium

Begonia Elatior, Cyclamen, Poinsettia

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

SUBSTRATES Easy Growing

POT PLANTS

– Ideal for any irrigation system
– Structural stability through the use of fractionated sod peat

	TS 1 medium basic	TS 1 coarse	TS 2 medium basic	TS 4 medium
Recipe-No.	085	418	420	602
Composition	White peat (0 – 25 mm) White sod peat (5 – 15 mm)	White sod peat (10 – 25 mm) White sod peat (25 – 45 mm) White peat (0 – 25 mm) White peat fibres, coarse (70 mm)	White peat (0 – 25 mm) White sod peat (5 – 15 mm)	White peat fibres White peat (0 – 25 mm) White sod peat (10 – 25 mm)
Clay				
pH-value (H_2O)	6.0	6.0	6.0	6.0
Fertilisation (g/l)	1.0	1.0	2.0	1.0
Extra trace elements	√	√		√
Wetting agent	Hydro S	Hydro S	Hydro S	Hydro S
Structure	medium	coarse-fibrous	medium	medium
Use for	Salt-sensitive ornamental plants	Foliage plants, Pot plants	Geranium, Fuchsia, Chrysanthemum	Ornamental plants, Foliage plants

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

TS 4
medium with clay

690

White peat fibres

White peat
(0 – 25 mm)

White sod peat
(10 – 25 mm)

✓ clay granules

6.0

1.0

✓

Hydro S

medium

Foliage plants,
Cyclamen, Pot roses,
Poinsettia,
Impatiens New Guinea

TS 4
coarse

604

White sod peat
(10 – 25 mm)

White peat
(0 – 25 mm)

White sod peat
(25 – 45 mm)

White peat fibres,
coarse (70 mm)

6.0

1.0

✓

Hydro S

coarse

Ornamental plants,
Foliage plants

TS 4 PLUS
medium

608

White peat fibres

White sod peat
(10 – 25 mm)

White peat,
moderately
decomposed
(0 – 25 mm)

6.0

1.0

✓

Hydro S

medium

Ornamental plants,
Foliage plants

TS 4 PLUS
medium with Perlite
and clay

610

Perlite

White peat fibres

White sod peat
(10 – 25 mm)

White peat,
moderately
decomposed
(0 – 25 mm)

✓ clay granules

6.0

1.0

✓

Hydro S

medium

Pot plants

Base Substrate 2
medium basic

422

White peat
(0 – 25 mm)

6.0

none

✓

Hydro S

medium

Basis for self-mixing
of substrates or
in combination
with fertilisation
by the grower

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

SUBSTRATES Easy Growing

POT PLANTS

- Ideal for any irrigation system
- Structural stability through the use of fractionated sod peat

Substrate	Base Substrate 3 coarse-fibrous	Base Substrate 4 coarse	Base Substrate 5 PLUS medium basic
Recipe-No.	414	525	600
Composition	White sod peat (10 – 25 mm) White sod peat (25 – 45 mm) White peat (0 – 25 mm) White peat fibres, coarse (70 mm)	White peat fibres, coarse (70 mm) White sod peat (10 – 25 mm) White sod peat (25 – 45 mm) White peat (0 – 25 mm)	White peat, moderately decomposed (0 – 25 mm)
Clay			
pH-value (H_2O)	6.0	6.0	6.0
Fertilisation (g/l)	none	none	none
Extra trace elements	√	√	√
Wetting agent	Hydro S	Hydro S	Hydro S
Structure	coarse-fibrous	coarse	medium
Use for	Basis for self-mixing of substrates or in combination with fertilisation by the grower	Basis for self-mixing of substrates or in combination with fertilisation by the grower	Bedding and patio plants

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

NURSERY STOCK

– With stable drainage properties
– For all cultivation methods

Container Substrate 1 medium + GreenFibre

559

White peat (0 – 25 mm)
White sod peat (10 – 25 mm)
GreenFibre
Peat fibres
Frozen through black peat

6.0

1.0

✓

Hydro S

medium-fibrous

Shrubs

Container Substrate 2 coarse

250

White sod peat (25 – 45 mm)
Frozen through black peat
Peat fibres

5.7

1.5

✓

coarse-fibrous

Trees, Conifers

Container Substrate 2 medium with clay + GreenFibre

266

White sod peat (0 – 25 mm)
White peat (10 – 25 mm)
GreenFibre
Frozen through black peat

✓ clay granules

5.7

none

✓

medium

Trees, Conifers

Container Substrate 2 coarse + GreenFibre

272

Frozen through black peat
White sod peat (25 – 45 mm)
GreenFibre
Peat fibres

5.7

none

✓

coarse-fibrous

Trees, Conifers

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

SUBSTRATES Easy Growing

NURSERY STOCK

– With stable drainage properties
– For all cultivation methods

	Container Substrate 3 medium + GreenFibre	TS 4 PLUS coarse
Recipe-No.	233	609
Composition	White sod peat (10 – 25 mm) GreenFibre Peat fibres White peat (0 – 25 mm)	White sod peat (25 – 45 mm) White peat fibres, coarse (70 mm) White sod peat (10 – 25 mm) White peat, moderately decomposed (0 – 25 mm)
Clay		
pH-value (H_2O)	5.5	6.0
Fertilisation (g/l)	0.5	1.0
Extra trace elements	√	√
Wetting agent		Hydro S
Structure	medium-fibrous	coarse
Use for	Trees, Conifers	Shrubs and trees, Foliage plants

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

ERICACEOUS PLANTS

– Ideal for growing-on of heathers and azalea
– Assured air capacity through the use of high-quality peat raw materials

TS 4 Ericaceous plants	TS 5 Ericaceous plants	Lithuanian Peat Moss Special Azerca
214	**588**	**933**
White peat (0 – 25 mm)	White peat fibres	White sod peat (5 – 15 mm)
White sod peat (10 – 25 mm)	White sod peat (10 – 25 mm)	White sod peat (10 – 25 mm)
	White peat (0 – 25 mm)	White peat (0 – 25 mm)
4.8	4.8	4.0 – 4.5
none	none	none
✓	✓	
Hydro S	Hydro S	
medium	medium	medium
Gardenia, Camelia, Gaultheria, Azalea	Ericaceous plants, Camelia, Gaultheria, Azalea	Ericaceous plants

TerrAktiv® FT | TerrAktiv® | Perlite | GreenFibre® | Coco fibres | Coir, buffered

SUBSTRATES
Easy Growing

SOIL IMPROVEMENT AND PRODUCTION OF GROWING MEDIA

– High content of organic matter
– Controlled security for the production of own substrate mixes



Substrate	Lithuanian Peat Moss fine	Lithuanian Peat Moss medium	Lithuanian Peat Moss coarse
Recipe-No.	930	931	932
Composition	White peat (0 – 5 mm)	White peat (0 – 25 mm)	White sod peat (10 – 25 mm) White sod peat (25 – 45 mm) White peat (0 – 25 mm) White peat fibres, coarse (70 mm)
Clay			
pH-value (H_2O)	4.0 – 4.5	4.0 – 4.5	4.0 – 4.5
Fertilisation (g/l)	none	none	none
Extra trace elements			
Wetting agent			
Structure	extra fine	medium	coarse-fibrous
Use for	Ericaceous plants, Basis for self-mixing of substrates and soil improvement	Ericaceous plants, Basis for self-mixing of substrates and soil improvement	Ericaceous plants, Basis for self-mixing of substrates and soil improvement

White sod peat | White peat fibres | White peat

Important notes

- All the product information contained in this brochure is given to the best of our knowledge and belief. However, it does not claim to be complete or correct for all time. We reserve the right to make changes.
- Fluctuations in the chemical properties of the substrates are within the tolerances allowed under the guidelines of Gütegemeinschaft Substrate für Pflanzen e. V.
- Please view our guidelines for application and use as recommendations only, for which we assume no liability; they may need to be adjusted in line with local conditions and for the intended purpose.
- Please store our products in a cool, dry place and protected from exposure to direct sunlight. We do not assume any liability for improper storage.
- We may also not be held liable for the presence of saprophytic organisms and the possible consequences, e.g. fungal growth.

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we make it grow

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