SUBSTRATES
Easy Growing

Our international bestsellers

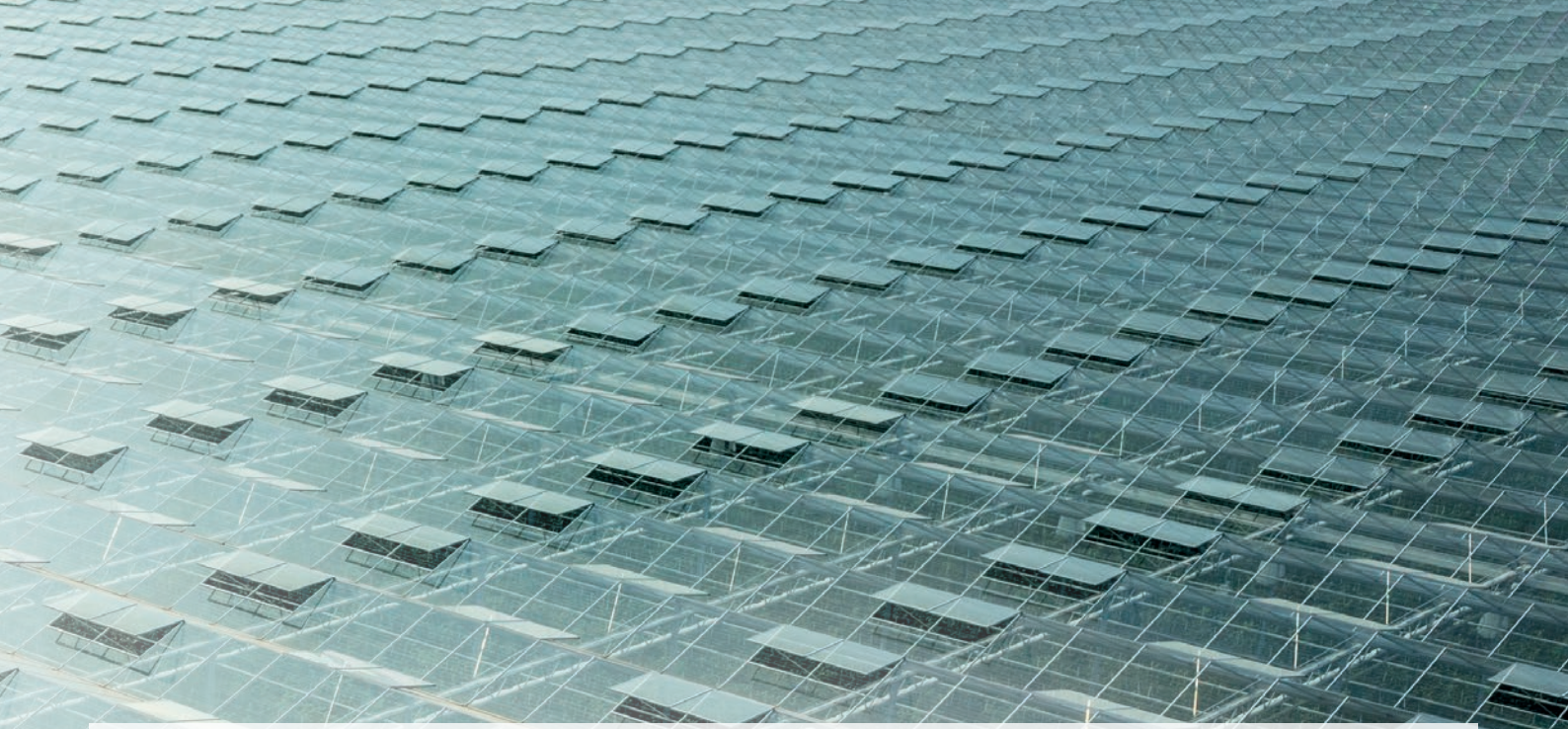
Easy Growing – Growing media for commercial horticulture

1913

we make it grow

SUBSTRATES
Easy Growing

Contents



The Klasmann-Deilmann Group

Klasmann-Deilmann is the leading corporate group in the international substrate industry, with sales and production companies in Europe, Asia and America. On every continent, our growing media provide a vital basis for the growth of fruit, vegetables, edible mushrooms, ornamental plants, trees and shrubs. They help ensure the success of our partners and customers in the commercial horticulture sector. Our product portfolio includes substrates for professional growers and the consumer sector, white and black peat as raw materials, and green compost and wood fibre manufactured in-house.

There are various benchmarks we use to gauge how seriously we take our responsibility for humankind, the environment and future generations. These include the monitoring of our raw materials and production processes by Regeling Handels Potgronden (RHP), the increasing use of peat certified to the 'Responsibly Produced Peat' (RPP) standard, the certification of our quality-management system to the ISO 9001 standard, our ISO 14001-compliant environmental-management system, the verification of our climate footprint to the ISO 14064 standard, and reporting in compliance with Global Reporting Initiative (GRI Standards 2016).

The strategic focus of our company, a medium-sized family business, is extremely forward-looking. Keen to remain the most sustainable producer of growing media, we are working on far-reaching research projects to develop innovative raw materials, substrates and growing systems. In the renewable energy and resources sector, too, we are single-mindedly pursuing a strategy of growth and are continuing to expand our service portfolio.

Overview of our business fields

SUBSTRATES

- SUBSTRATES Easy Growing
- SUBSTRATES Select
- SUBSTRATES Florabella®

RAW MATERIALS

- RAW MATERIALS GreenFibre®
- RAW MATERIALS TerrAktiv®/FT
- RAW MATERIALS Peat
- RAW MATERIALS Containermulch

BIOENERGY

- BIOENERGY Wood Chips
- BIOENERGY Wood Trading
- BIOENERGY Wood Services

INNOVATION

- INNOVATION Academy
- INNOVATION Growcoon

Quality-assured raw materials for substrates

✓ ISO 9001 ✓ ISO 14001 ✓ ISO 14064 ✓ RHP ✓ PEFC ✓ (EC) No. 834/2007 ✓ GRI Standards ✓ RPP

The primary raw material for the development and production of our growing media are white and black peat. To obtain the ideal substrate, we increasingly 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 Ecocert®, an inspection body for organic farming. 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 Ecocert®.

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®

Green compost

TerrAktiv green 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 Ecocert®. 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 wood 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 'Responsibly Produced Peat' (RPP) standard, 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.
– More than 70 % of our peat raw materials come from RPP certified extraction sites. This includes all sites in Lithuania as well as many important sites in Latvia and Germany. All RPP criteria were met for these sites.
– Our peat extraction areas 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 constituent

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.

responsibly produced peat

– 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 raw materials in place of peat has a positive impact on the carbon footprint of our growing media. We have therefore set ourselves the goal of increasing the share of alternative constituents 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 be used in 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 medium 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 Ecocert® 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	6,900
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 SUBSTRATES

Seedling and tray substrates for the propagation of vegetable and ornamental young plants

Substrate	Seedling Substrate	Tray Substrate	Potgrond H 90 SL	Base Substrate 1 fine
Recipe-No.	080	060	067	413
Composition	White sod peat (1 – 7 mm); Coir, buffered; Frozen through black peat	White peat (0 – 5 mm); Frozen through black peat	White peat (0 – 7 mm); 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)	0.7	1.3	1.5	None
Extra trace elements	√	√		√
Wetting agent	Hydro S	Hydro S		Hydro S
Structure	Extra fine	Extra fine	Fine	Extra fine
Use for	Salt-sensitive ornamental plants, e. g. Begonia semperflorens, Impatiens	Vegetable young plants, Tobacco seedlings	Vegetable young plants, Tobacco seedlings	Basis for self-mixing of substrates or in combination with fertilisation by the grower

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

TS 1
fine

876

White peat
(0 – 5 mm)

6.0

1.0

√

Hydro S

Extra fine

Vegetable young plants, Ornamental young plants

TS 2
fine

424

White peat
(0 – 5 mm)

6.0

2.0

Hydro S

Extra fine

Tobacco young plants, Vegetable 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
fine
Aquasave

316

White peat, moderately decomposed
(0 – 5 mm)

Frozen through black peat

6.0

1.5

√

Hydro S

Extra fine

Vegetable young plants

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

SUBSTRATES Easy Growing

PROPAGATION SUBSTRATES

Seedling and tray substrates for the propagation of vegetable and ornamental young plants

Substrate	Plug Mix	Plug Mix Extra Plus	TS Steckmedium	Steckmedium
Recipe-No.	408	402	686	300
Composition	White peat (0 – 5 mm) White sod peat (1 – 7 mm)	White peat (0 – 5 mm) White sod peat (1 – 7 mm)	Perlite (1 – 7.5 mm) White sod peat (1 – 7 mm)	Perlite (1 – 7.5 mm) White peat (0 – 7 mm) White sod peat (1 – 7 mm)
Clay				
pH-value (H_2O)	6.0	6.0	6.0	6.0
Fertilisation (g/l)	0.7	0.7	0.5	0.5
Extra trace elements	√	√	√	√
Wetting agent	Hydro S	Hydro S	Hydro S	Hydro S
Structure	Fine	Fine	Fine	Fine
Use for	Vegetable young plants, Seedlings	Vegetable young plants, Seedlings	Rooting of cuttings	Rooting of cuttings

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

BLOCKING SUBSTRATES

Substrates for the propagation of ornamental and vegetable young plants in press pots

Potgrond P	Potgrond H 90	Potgrond H 80	Potgrond H 85 + GreenFibre
002	**030**	**051**	**078**
Frozen through black peat	White peat (0 – 7 mm) Frozen through black peat	White peat (0 – 7 mm) Frozen through black peat	GreenFibre fine Frozen through black peat
6.0	6.0	6.0	6.0
1.5	1.5	1.5	1.5
			Hydro S
Fine	Fine	Fine	Fine
Vegetable young plants	Vegetable young plants, Viola	Vegetable young plants, Viola	Vegetable young plants, Viola

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

SUBSTRATES Easy Growing

SUBSTRATES FOR ORGANIC PLANT PRODUCTION

Certified according EU-regulation (EC) No. 834/2007

Substrate	Bio Potgrond	Bio Tray Substrate	Bio Herb Substrate	Bio Potting Substrate
Recipe-No.	025	062	693	840
Composition	TerrAktiv TerrAktiv FT Frozen through black peat	TerrAktiv TerrAktiv FT White peat (0 – 5 mm) Frozen through black peat	GreenFIbre fine TerrAktiv TerrAktiv FT White peat (0 – 25 mm) White sod peat (5 – 15 mm) Frozen through black peat	GreenFibre medium TerrAktiv TerrAktiv FT White peat (0 – 25 mm) Frozen through black peat
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	Extra fine	Medium	Medium
Use for	Vegetable young plants	Pot herbs, Vegetable young plants	Pot herbs, Tomato, Pepper, Cucumber	Ornamental plants, Shrubs, Pot plants

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

BEDDING SUBSTRATES

Substrates for balcony, patio and bedding plants in small to medium-sized pots and packs

Substrate 1 fine + GreenFibre

090

GreenFibre fine

White peat (0 – 10 mm)

Frozen through black peat

6.0

1.0

Fine

Salt-sensitive ornamental plants, Pot herbs

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 4 fine with clay

276

White peat (0 – 10 mm)

Frozen through black peat

✓

6.0

1.5

Hydro S

Fine

Bedding plants, Primrose, Viola

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

BP Substrate 2 medium + GreenFibre

698

GreenFibre medium

White peat (0 – 25 mm)

Frozen through black peat

6.0

1.2

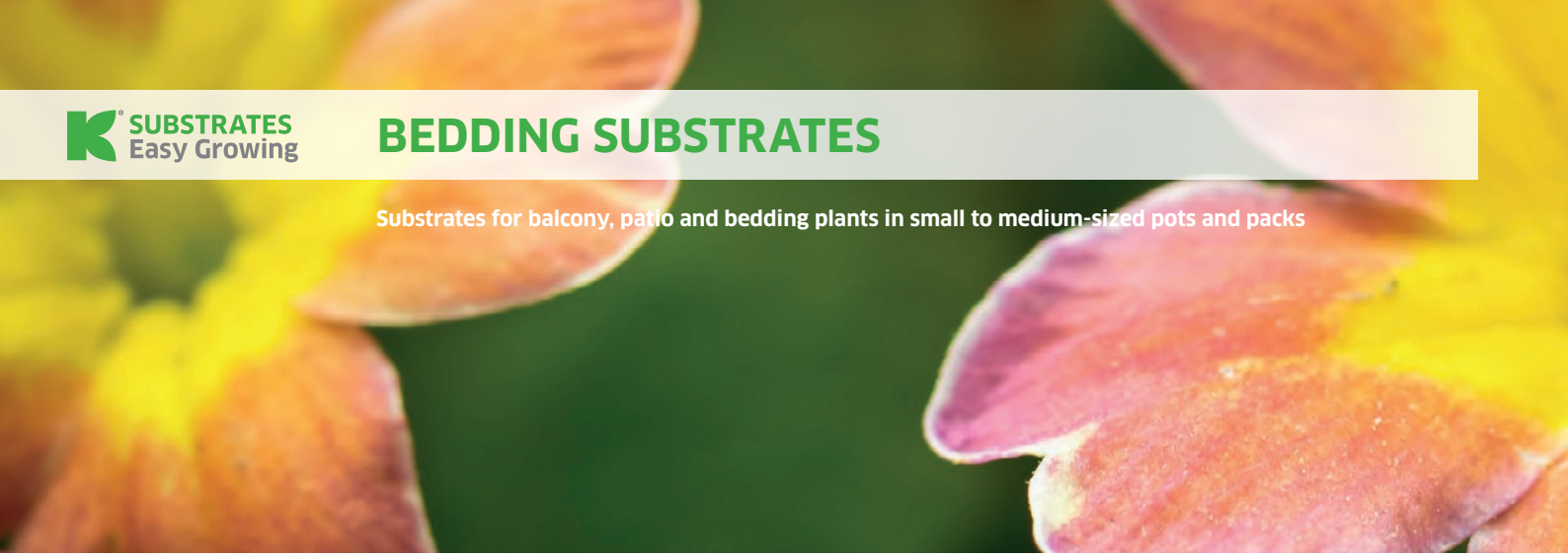
✓

Hydro S

Medium

Bedding and patio plants

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



SUBSTRATES Easy Growing

BEDDING SUBSTRATES

Substrates for balcony, patio and bedding plants in small to medium-sized pots and packs

Substrate	BP Substrate 2 medium + GreenFibre	BP Substrate 2 medium with clay + GreenFibre	BP Substrate 1 medium with clay + GreenFibre	BP Substrate 3 medium with clay
Recipe-No.	274	264	460	265
Composition	GreenFibre fine White peat (0 – 25 mm) Frozen through black peat	GreenFibre fine White peat (0 – 25 mm) Frozen through black peat	GreenFibre medium Peat fibres White peat (0 – 25 mm) Frozen through black peat	White peat (0 – 25 mm) Frozen through black peat
Clay		✓	✓	✓
pH-value (H_2O)	6.0	6.0	6.0	6.0
Fertilisation (g/l)	1.5	1.5	1.5	1.5
Extra trace elements				
Wetting agent	Hydro S	Hydro S	Hydro S	Hydro S
Structure	Medium	Medium	Medium	Medium
Use for	Bedding plants	Bedding plants, Primrose, Viola	Geranium, Bedding and patio plants	Bedding and patio plants, Primrose, Viola

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

Substrate 4
medium 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
medium basic

425

White peat,
moderately
decomposed
(0 – 25 mm)

6.0

1.0

✓

Hydro S

Medium

Bedding plants

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

TS 3
medium

601

White peat (0 – 25 mm)

White sod peat
(10 – 25 mm)

White peat,
moderately
decomposed
(0 – 25 mm)

6.0

1.0

✓

Hydro S

Medium

Bedding plants

TS 3
medium with clay

607

White peat (0 – 25 mm)

White sod peat
(10 – 25 mm)

White peat,
moderately
decomposed
(0 – 25 mm)

✓ Clay granules

6.0

1.0

✓

Hydro S

Medium

Growing-on of
Geranium,
Bedding plants

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

POTTING SUBSTRATES

Substrates for growing on of indoor pot plants

Substrate	Clay Substrate	Substrate 2 medium + GreenFibre	Substrate 5 medium with clay + GreenFibre	Substrate 5 medium with clay + GreenFIbre
Recipe-No.	**170**	**120**	**666**	**590**
Composition	White peat (0 – 25 mm) White sod peat (10 – 25 mm) Frozen through black peat	GreenFibre medium White peat (0 – 25 mm) White sod peat (5 – 15 mm) Frozen through black peat	GreenFibre medium Peat fibres White peat (0 – 25 mm) Frozen through black peat	GreenFibre medium Peat fibres White peat (0 – 25 mm) White sod peat (10 – 25 mm) Frozen through black peat
Clay	✓ Clay granules		✓	✓
pH-value (H_2O)	6.0	6.0	6.0	6.0
Fertilisation (g/l)	1.5	2.0	1.0	1.5
Extra trace elements			✓	✓
Wetting agent			Hydro S	
Structure	Medium	Medium	Medium	Medium
Use for	Cyclamen, Primrose, Geranium, Perennials	Geranium, Chrysanthemum, Fuchsia	Cyclamen, Geranium, Perennials, Bedding plants	Begonia, Cyclamen, Poinsettia

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

Substrate 5
with perlite and clay

446

Perlite (1 - 7.5 mm)

Peat fibres

White peat
(0 – 25 mm)

White sod peat
(10 – 25 mm)

✓ Clay granules

6.0

1.5

✓

Hydro S

Medium

Begonia Elatior,
Cyclamen, Poinsettia

TS 1
medium basic
+ GreenFibre

814

GreenFibre medium

White peat
(0 – 25 mm)

6.0

1.0

✓

Hydro S

Medium

Salt-sensitive
ornamental plants

TS 1
medium basic

085

White peat
(0 – 25 mm)

White sod peat
(5 – 15 mm)

6.0

1.0

✓

Hydro S

Medium

Salt-sensitive
ornamental plants

TS 2
medium basic

420

White peat
(0 – 25 mm)

White sod peat
(5 – 15 mm)

6.0

2.0

Hydro S

Medium

Geranium, Fuchsia,
Chrysanthemum

TS 4
medium

602

White peat
(0 – 25 mm)

White sod peat
(10 – 25 mm)

White peat fibres

6.0

1.0

✓

Hydro S

Medium

Ornamental plants,
Foliage plants

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

POTTING SUBSTRATES

Substrates for growing on of indoor pot plants

Substrate	TS 4 medium with clay	TS 4 Green Plant coarse + GreenFibre	TS 4 PLUS medium + GreenFibre	TS 4 PLUS medium
Recipe-No.	**690**	**T89**	**616**	**608**
Composition	White peat (0 – 25 mm) White sod peat (10 – 25 mm) White peat fibres	GreenFibre medium White sod peat (10 – 25 mm) White sod peat (25 – 45 mm) White peat fibres, coarse (70 mm)	GreenFibre medium White sod peat (10 – 25 mm) White peat, moderately decomposed (0 – 25 mm)	White sod peat (10 – 25 mm) White peat fibres White peat, moderately decomposed (0 – 25 mm)
Clay	✓ Clay granules			
pH-value (H_2O)	6.0	6.0	6.0	6.0
Fertilisation (g/l)	1.0	1.0	1.0	1.0
Extra trace elements	✓	✓	✓	✓
Wetting agent	Hydro S	Hydro S	Hydro S	Hydro S
Structure	Medium	Coarse	Medium	Medium
Use for	Foliage plants, Cyclamen, Pot roses, Poinsettia, Impatiens New Guinea	Ornamental plants, Foliage plants, Anthurium, Calathea	Ornamental plants, Foliage plants	Ornamental plants, Foliage plants

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

TS 4 PLUS medium with perlite and clay

610

Perlite (1 - 7.5 mm)

White sod peat (10 – 25 mm)

White peat fibres

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

Base Substrate 3 coarse -fibrous

414

White peat (0 – 25 mm)

White sod peat (10 – 25 mm)

White sod peat (25 – 45 mm)

White peat fibres, coarse (70 mm)

6.0

None

✓

Hydro S

Coarse-fibrous

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

Base Substrate 4 coarse

525

White peat (0 – 25 mm)

White sod peat (10 – 25 mm)

White sod peat (25 – 45 mm)

White peat fibres, coarse (70 mm)

6.0

None

✓

Hydro S

Coarse

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

Base Substrate 5 PLUS medium basic

600

White peat, moderately decomposed (0 – 25 mm)

6.0

None

✓

Hydro S

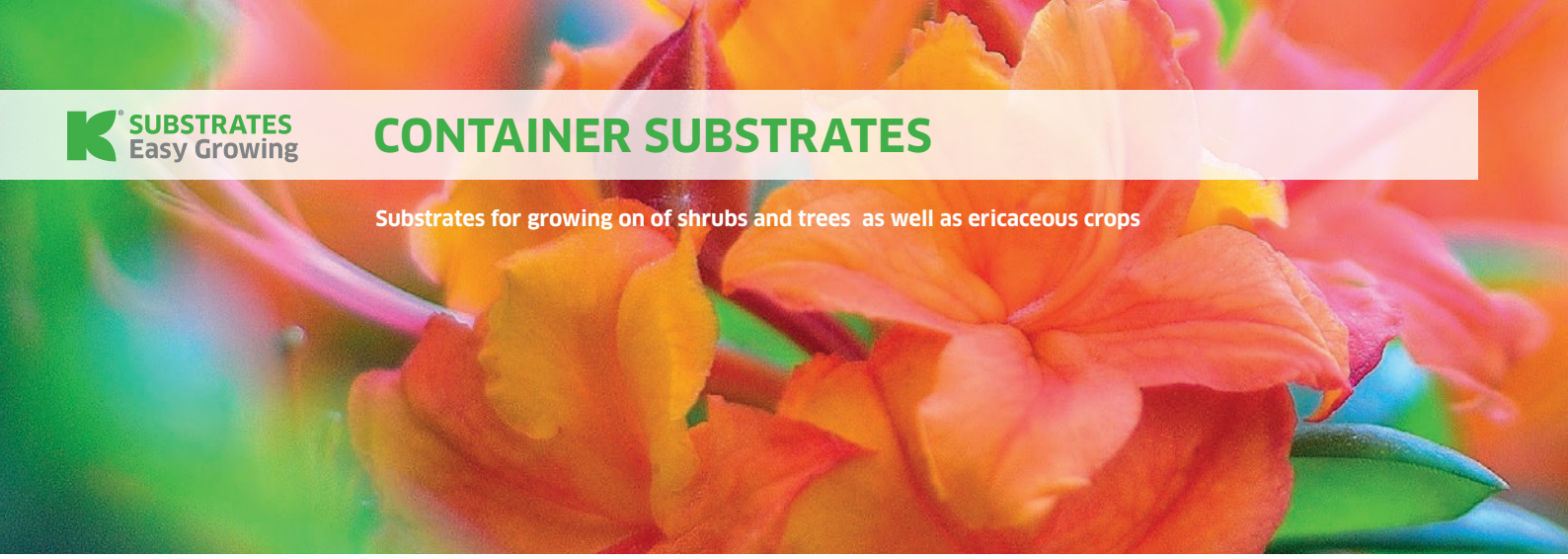
Medium

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

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

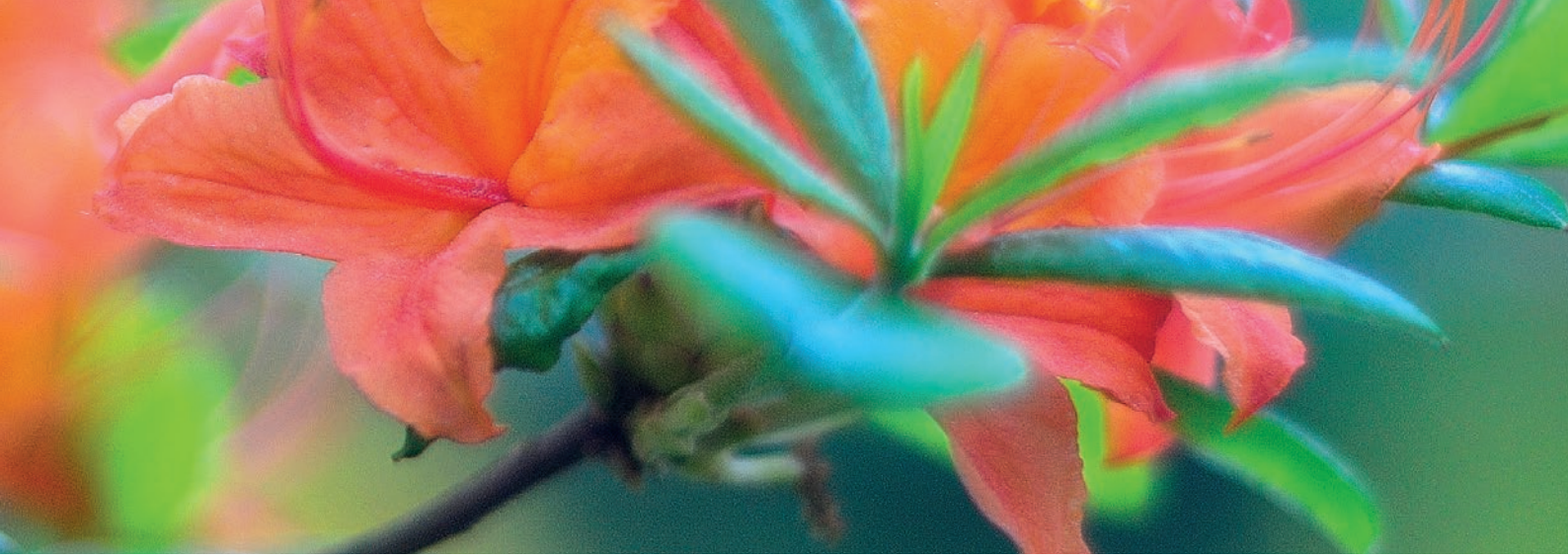
CONTAINER SUBSTRATES

Substrates for growing on of shrubs and trees as well as ericaceous crops



Substrate	Container Substrate 1 medium + GreenFibre	Container Substrate 3 medium + GreenFibre	Container Substrate 2 coarse + GreenFibre
Recipe-No.	**559**	**233**	**272**
Composition	GreenFibre coarse Peat fibres White peat (0 – 25 mm) White sod peat (10 – 25 mm) Frozen through black peat	GreenFibre coarse Peat fibres White peat (0 – 25 mm) White sod peat (10 – 25 mm)	GreenFibre coarse Peat fibres White sod peat (25 – 45 mm) Frozen through black peat
Clay			
pH-value (H_2O)	6.0	5.5	5.7
Fertilisation (g/l)	1.0	0.5	None
Extra trace elements	√	√	√
Wetting agent	Hydro S		
Structure	Medium-fibrous	Medium-fibrous	Coarse-fibrous
Use for	Shrubs	Trees, Conifers	Trees, Conifers

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



TS 4
coarse

604

White peat
(0 – 25 mm)

White sod peat
(10 – 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
coarse

609

White sod peat
(10 – 25 mm)

White sod peat
(25 – 45 mm)

White peat fibres,
coarse (70 mm)

White peat,
moderately
decomposed
(0 – 25 mm)

6.0

1.0

✓

Hydro S

Coarse

Shrubs and trees,
Foliage plants

TS 4 Ericaceous plants
+ GreenFibre

254

GreenFibre medium

White peat
(0 – 25 mm)

White sod peat
(10 – 25 mm)

4.8

None

✓

Hydro S

Medium

Gardenia, Camelia,
Ericaceous plants,
Gaultheria

TS 4 Ericaceous plants

214

White peat
(0 – 25 mm)

White sod peat
(10 – 25 mm)

4.8

None

✓

Hydro S

Medium

Gardenia, Camelia,
Gaultheria, Azalea

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

SUBSTRATES Easy Growing

SOFT FRUIT SUBSTRATES

Specialised substrates with ideal properties for best yield

Substrate	TS 1 medium ‚Blueberry Propagation'	TS 4 coarse ‚Blueberry' with perlite + GreenFibre	TS 4 coarse ‚Blueberry' with perlite + coco fibres	TS 4 coarse ‚Soft Fruit' + GreenFibre
Recipe-No.	**382**	**391**	**V58**	**497**
Composition	GreenFibre medium Perlite (1 – 7.5 mm) White peat (0 – 25 mm) White sod peat (5 – 15 mm)	GreenFibre medium Perlite (1 – 7.5 mm) White sod peat (10 – 25 mm) White sod peat (25 – 45 mm) White peat fibres, coarse (70 mm)	Coco fibres Perlite (1 – 7.5 mm) Peat fibres White sod peat (10 – 25 mm)	GreenFibre medium White peat (0 – 25 mm) White sod peat (10 – 25 mm) White sod peat (25 – 45 mm) White peat fibres
Clay				
pH-value (H_2O)	4.8	4.8	4.8	5.5
Fertilisation (g/l)	0.3	0.5	0.3	1.0
Extra trace elements	✓	✓	✓	✓
Wetting agent	Hydro S	Hydro S	Hydro S	Hydro S
Structure	Medium	Coarse-fibrous	Coarse	Coarse
Use for	Blueberry young plants	Blueberry	Blueberry	Strawberry, Raspberry and others

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

PEAT MOSS

Pure peat products for self-mixing of growing media and for soil improvement

Lithuanian Peat Moss fine

930

White peat
(0 – 5 mm)

4.0 – 4.5

None

Extra fine

Ericaceous plants, Basis for self-mixing of substrates and soil improvement

Lithuanian Peat Moss medium

931

White peat
(0 – 25 mm)

4.0 – 4.5

None

Medium

Ericaceous plants, Basis for self-mixing of substrates and soil improvement

Lithuanian Peat Moss coarse

932

White peat
(0 – 25 mm)

White sod peat
(10 – 25 mm)

White sod peat
(25 – 45 mm)

White peat fibres, coarse (70 mm)

4.0 – 4.5

None

Coarse-fibrous

Ericaceous plants, Basis for self-mixing of substrates and soil improvement

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

Important information

- 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.

1913

we make it grow

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