

Safeguarding your success

**Our substrate range for
Great Britain | Ireland**



we make it grow



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

 SUBSTRATES
Easy Growing

 SUBSTRATES
Select

 SUBSTRATES
Florabella[®]

RAW MATERIALS

 RAW MATERIALS
GreenFibre[®]

 RAW MATERIALS
TerrAktiv[®]

 RAW MATERIALS
TerrAktiv[®] FT

 RAW MATERIALS
Peat

 RAW MATERIALS
Fertilizers

 RAW MATERIALS
Additives

ENERGY

 ENERGY
Wood Chips

 ENERGY
Wood Trading

 ENERGY
Wood Services

SPECIAL APPLICATIONS

 SPECIAL APPLICATIONS
Containermulch

 SPECIAL APPLICATIONS
Animal Bedding



Quality-assured raw materials for substrates

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



ISO 9001



ISO 14001



ISO 14064



RHP



FSC



PEFC



Grünstempel®



GRI-G4

K RAW MATERIALS GreenFibre®

GreenFibre is a high-quality, thermally and physically processed wood fibre. In combination with high-grade peat raw materials, GreenFibre is an ideal component of structurally stable growing media. 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. Produced in our own plants in Germany, Ireland and the Netherlands, GreenFibre is certified to RHP and PEFC/FSC. For use in organic substrates it meets the requirements of Regulation (EC) No. 834/2007 and Implementing Regulation (EC) No. 889/2008, Annex I.

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.

K RAW MATERIALS TerrAktiv®

TerrAktiv green compost is produced in our own composting units and certified to the Dutch RHP standard. Since TerrAktiv is used in particular as a 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. TerrAktiv meets the regulations in force in Germany, Austria and Switzerland.

K RAW MATERIALS Peat

Thanks to its outstanding physical, chemical and biological properties, peat remains the most important raw material for use in growing media. Klasmann-Deilmann owns large areas of land in Germany for the extraction of frozen through black peat. High-quality peat resources with a higher level of decomposition have also been available for several years in Lithuania. We also have extensive resources at our disposal in Lithuania, Latvia and Ireland for the production of white sod peat and surface milled white peat which will assure supply for our production plants for many decades to come.

K RAW MATERIALS TerrAktiv® FT

TerrAktiv FT is a mixture of green compost and fibre, created by combining TerrAktiv with GreenFibre

K RAW MATERIALS Fertilizers

A system of fertiliser formulations is used for our substrates. Any base fertilisation regime is possible that is technically necessary.

K RAW MATERIALS Additives

We use additives like clay, sand or perlite if they give a horticulturally valuable addition to our substrate blends.

Easy Growing – Our international bestsellers

Easy Growing is a comprehensive range of perfectly functioning growing media for a wealth of commercial horticulture applications. From sowing and growing-on to organic 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 that has proven 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 peat raw 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 proven 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.

Select – Special requirements, individual solutions

The product line Select got designed to provide substrates which perfectly match the growing conditions at any individual nursery. Irrespective of whether they are used for a particular crop or in specific growing or propagation systems. Even particularly unusual technical, climatic or geographical factors can be taken into account. In virtually all international markets within the commercial horticulture sector, a country-specific range of growing media under the Select line has emerged that is an ideal match for the specific needs of the

special crops grown there. The raw materials extracted and prepared by Klasmann-Deilmann, the organic and mineral constituents as well as the different combinations of nutrients offer a wide spectrum of possibilities for creating special substrate recipes. Working in close consultation with the customer, Klasmann-Deilmann experts choose the right individual components, determine the optimal mixture ratio and ensure that the production plants manufacture the ideal substrate for the individual scenario.

The forms of supply

Substrates are available in the following standard forms*

	Packaged goods: 70-litre-bags	
	Packaged goods: 200-litre-bags	
	Big Bales	
	Bulk	

For all growing media manufactured by Klasmann-Deilmann, 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.

*The country flags used in this product brochure express the country of origin and manufacture for the different products and forms of supply. All products shown in this brochure are subject to minimum order volumes. For further information please contact your local sales representative of Klasmann-Deilmann.

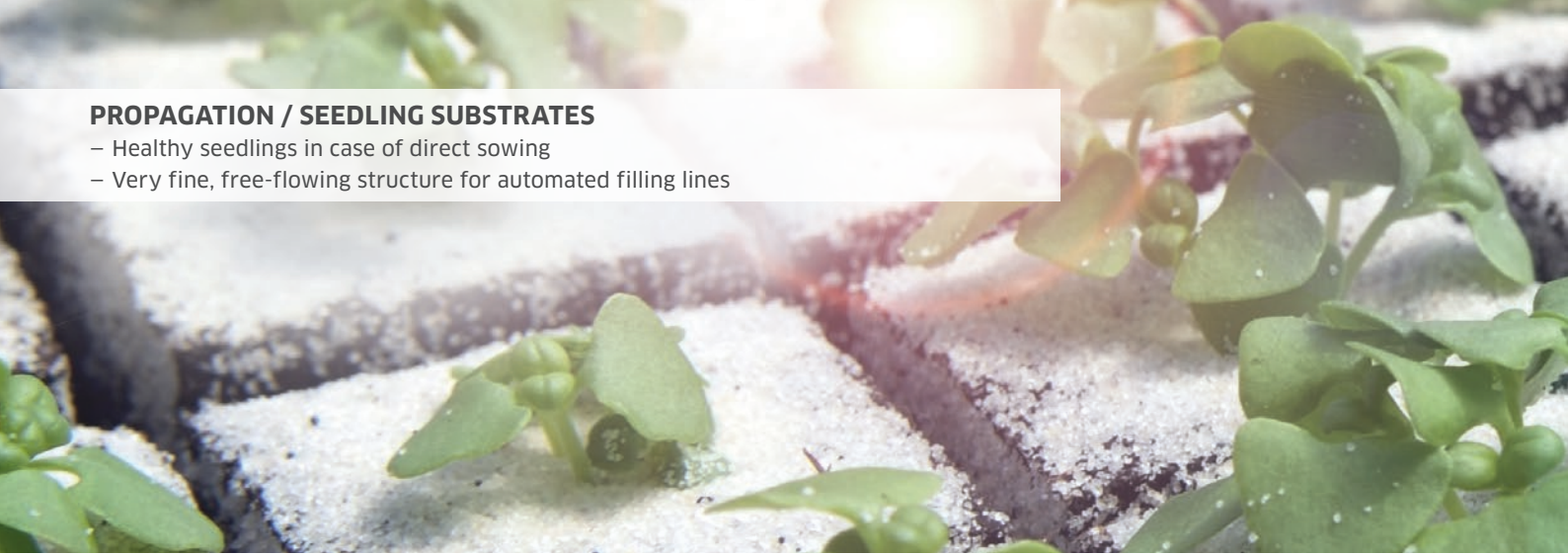
Average substrate consumption for different pot sizes

Pot size	Substrate requirement in l for 1,000 pots**	Number of pots per m ³ substrate**
ø in cm		
6	130 - 160	6900
8	230 - 280	3,920
9	330 - 380	2,820
9 x 9 x 9,5	600 - 650	1,600
10	460 - 510	2,060
10 x 10 x 11,5	920 - 970	1,050
11	670 - 720	1,440
12	880 - 930	1,150
13	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.

PROPAGATION / SEEDLING SUBSTRATES

- Healthy seedlings in case of direct sowing
- Very fine, free-flowing structure for automated filling lines



K SUBSTRATES Easy Growing

K SUBSTRATES Select



Substrate	Seedling Substrate	Tray Substrate	IS Tray Substrate	IS Steckmedium
Recipe-No.	080	060	506	524
Composition	<div style="background-color: #800000; color: white; padding: 2px;">Coir, buffered</div> <div style="background-color: #004d40; color: white; padding: 2px;">Frozen through black peat</div> <div style="background-color: #90ee90; padding: 2px;">White sod peat (1 - 7 mm)</div>	<div style="background-color: #90ee90; padding: 2px;">White peat (0 - 5 mm)</div> <div style="background-color: #004d40; padding: 2px;">Frozen through black peat</div>	<div style="background-color: #90ee90; padding: 2px;">Irish white peat (0 - 5 mm)</div>	<div style="background-color: #cccccc; padding: 2px;">Perlite coarse</div> <div style="background-color: #90ee90; padding: 2px;">Irish white peat (0 - 5 mm)</div>
Clay				
pH-value (H ₂ O)	6.0	6.0	6.0	5.5
Fertilisation (g/l)	0.7	1.3	1.0	0.5
Extra trace elements	✓	✓	✓	✓
Wetting agent	✓	✓	✓	✓
Structure	extra fine	extra fine	extra fine	extra fine
Use for	Salt-sensitive ornamental plants, e.g. Begonia semperflorens, Impatiens	Vegetable and tobacco seedlings	Vegetable seedlings, ornamental seedlings	Rooting of cuttings

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



**Tray Substrate
EasyFix**

111

White sod peat
(1 - 7 mm)

Frozen through
black peat

contains biodegradable /
mineral binding agents

6.0

1.2



extra fine

Ornamental seedlings



**Tray Substrate
EasyFix + Perlite**

066

Perlite fine

Frozen through
black peat

White sod peat
(1 - 7 mm)

contains biodegradable /
mineral binding agents

6.0

0.6



extra fine

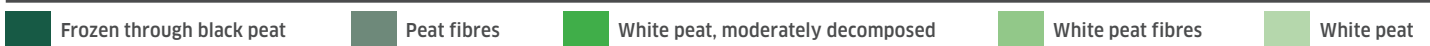
Salt-sensitive seedlings
and rooting of cuttings

PROPAGATION / BLOCKING SUBSTRATES

- Stable press pots
- Ideal for all blocking lines



Substrate	Potgrond P	Potgrond H 70
Recipe-No.	002	047
Composition	Frozen through black peat	White peat (0 - 7 mm) Frozen through black peat
Clay		
pH-value (H ₂ O)	6.0	6.0
Fertilisation (g/l)	1.5	1.5
Extra trace elements		
Wetting agent		
Structure	fine	fine
Use for	Vegetable young plants	Vegetable and tobacco seedlings



ORGANIC PLANT PRODUCTION

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

K SUBSTRATES

K SUBSTRATES
Easy Growing



Bio Potgrond

025

TerrAktiv

TerrAktiv FT

Frozen through
black peat

6.0

organic



fine

Vegetable young plants



Bio Tray Substrate

062

TerrAktiv

Frozen through
black peat

White peat
(0 - 5 mm)

6.0

organic



extra fine

Pot herbs,
vegetable young plants



Bio Substrate 2

027

TerrAktiv

TerrAktiv FT

White peat
(0 - 25 mm)

Frozen through
black peat

6.0

organic



medium

Pot herbs, vegetable
young plants



Bio Herb Substrate

693

TerrAktiv

TerrAktiv FT

Coir, organic

White sod peat (5 - 15 mm)

Frozen through
black peat

White peat
(0 - 25 mm)

6.0

organic



medium

Pot herbs, tomato,
pepper, cucumber

TerrAktiv® FT

TerrAktiv®

Perlite

GreenFibre®

Coir, buffered

BEDDING AND PATIO PLANTS

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



Substrate	IS Bedding fine	IS Bedding fine + GreenFibre	IS Bedding fine with clay	IS Bedding fine 1.5kg fert., pH 5,5
Recipe-No.	511	611	661	247
Composition	Irish white peat (5-10 mm) Irish white peat (0-5 mm)	GreenFibre Irish white peat (5-10 mm) Irish white peat (0-5 mm)	Irish white peat (5-10 mm) Irish white peat (0-5 mm)	Irish white peat (5-10 mm) Irish white peat (0-5 mm)
Clay			✓ clay granules	
pH-value (H ₂ O)	6.0	6.0	6.0	5.5
Fertilisation (g/l)	1.0	1.0	1.0	1.5
Extra trace elements	✓	✓	✓	✓
Wetting agent	✓	✓	✓	✓
Structure	fine	fine	fine	fine
Use for	Bedding and patio plants, pot herbs	Bedding and patio plants, pot herbs	Bedding and patio plants	Bedding and patio plants





IS Bedding fine
with clay + GreenFibre

512

GreenFibre

Irish white peat
(5 - 10 mm)

Irish white peat
(0 - 5 mm)

✓ clay granules

5.5

1.4

✓

✓

fine

Bedding and
patio plants



IS Bedding fine
Primula Mix

146

Irish white peat
(5 - 10 mm)

Irish white peat
(0 - 5 mm)

✓ clay granules

5.5

1.4

✓

✓

fine

Bedding and patio
plants, Primula



IS Bedding medium

653

Irish white peat
(0 - 25 mm)

✓ clay granules

6.0

1.5

✓

✓

medium

Bedding plants,
pot plants



IS Bedding medium
with clay

547

Irish white peat
(0 - 25 mm)

✓ clay granules

6.0

1.5

✓

✓

medium

Bedding plants,
pot plants



IS Bedding medium
+ GreenFibre

546

GreenFibre

Irish white peat
(0 - 25 mm)

✓ clay granules

6.0

1.5

✓

✓

medium

Bedding plants,
pot plants

POT PLANTS

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

K SUBSTRATES Select



Substrate	IS Bedding fine Bulb mix	IS Potting fine with clay + GreenFibre	IS Potting medium	IS Potting medium + GreenFibre
Recipe-No.	320	657	683	682
Composition	Irish white peat (5-10 mm)	GreenFibre	Irish white sod peat (10-25 mm)	GreenFibre
	Irish white peat (0-5 mm)	Irish white sod peat (5-10 mm)	Irish white peat (0-25 mm)	Irish white sod peat (10-25 mm)
		Irish white peat (5-10 mm)		Irish white peat (0-25 mm)
		Irish white peat (0-5 mm)		
Clay		✓ clay granules		
pH-value (H ₂ O)	6.6	5.7	6.0	6.0
Fertilisation (g/l)	0.5	1.0	1.0	1.0
Extra trace elements	✓	✓	✓	✓
Wetting agent	✓	✓	✓	✓
Structure	fine	fine - medium	medium	medium
Use for	Bulbs	Cyclamen, pot plants	Pot plants, foliage plants, shrubs	Pot plants, foliage plants, shrubs

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



IS Potting medium
with clay + GreenFibre

736

Perlite

GreenFibre

Irish white sod peat
(10 - 25 mm)

White peat fibres

Irish white peat (5 - 10 mm)

Irish white peat (0 - 5 mm)

clay granules

6.0

1.0



medium-fibrous

Poinsettia, pot plants

TerrAktiv® FT

TerrAktiv®

Perlite

GreenFibre®

Coir, buffered

NURSERY STOCK

- With stable drainage properties
- For all cultivation methods

K[®] SUBSTRATES Select



Substrate	IS Container Substrate medium	IS Container Substrate medium + GreenFibre	IS Container Substrate coarse + GreenFibre
Recipe-No.	702	707	703
Composition	<div style="background-color: #444; color: white; padding: 2px;">White peat fibres</div> <div style="background-color: #c8e6c9; padding: 2px;">White sod peat (10 - 25 mm)</div> <div style="background-color: #c8e6c9; padding: 2px;">Irish white sod peat (0 - 25 mm)</div>	<div style="background-color: #ffc107; padding: 2px;">GreenFibre</div> <div style="background-color: #c8e6c9; padding: 2px;">Irish white sod peat (10 - 25 mm)</div> <div style="background-color: #c8e6c9; padding: 2px;">Irish white peat (0 - 25 mm)</div>	<div style="background-color: #ffc107; padding: 2px;">GreenFibre</div> <div style="background-color: #c8e6c9; padding: 2px;">Irish white sod peat (25 - 45 mm)</div> <div style="background-color: #c8e6c9; padding: 2px;">Irish white sod peat (10 - 25 mm)</div> <div style="background-color: #c8e6c9; padding: 2px;">Irish white peat (0 - 25 mm)</div>
Clay			
pH-value (H ₂ O)	5.0	5.0	5.0
Fertilisation (g/l)	0.5	0.5	0.5
Extra trace elements	✓	✓	✓
Wetting agent	✓	✓	✓
Structure	medium + fibres	medium + fibres	medium + fibres
Use for	Shrubs and trees	Shrubs and trees	Shrubs and trees

SOIL IMPROVEMENT AND PRODUCTION OF GROWING MEDIA

- High organic substance content
- Controlled security for the production of own soil mixes



Irish Moss Peat
extra fine

803

Irish white sod peat
(1 - 7 mm)

Irish white peat
(0 - 5 mm)

4.0 - 4.5

none

extra fine

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



Irish Moss Peat
fine

822

Irish white peat
(5 - 10 mm)

Irish white peat
(0 - 5 mm)

4.0 - 4.5

none

fine

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



Irish Moss Peat
medium

818

Irish white peat
(0 - 25 mm)

4.0 - 4.5

none

medium

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



Irish Moss Peat
coarse

811

Irish white sod peat
(25 - 45 mm)

Irish white sod peat
(10 - 25 mm)

Irish white peat
(0 - 25 mm)

4.0 - 4.5

none

coarse

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

TerrAktiv® FT

TerrAktiv®

Perlite

GreenFibre®

Coir, buffered

GREENFIBRE

- Substrate constituent made from thermally and physically frayed, virgin wood chips
- GreenFibre is FSC® certified and complies with EU organic regulation (EC) No 834/2007
- increases drainage and structural stability in substrates

K RAW MATERIALS GreenFibre®



GreenFibre medium



GreenFibre coarse

Product

Recipe-No.

895

898

Composition



Clay

pH-value (H₂O)

5.0

5.0

Fertilisation (g/l)

none

none

Extra trace elements

Wetting agent

Structure

medium

coarse

Use for

Constituent for
self-mixing
of substrates

Constituent for
self-mixing
of substrates

CONTAINERMULCH

- Prevents moss and algae growth reliably
- Creates an excellent cover with attractive colour
- Very little wash-off during heavy rain or drifting due to strong winds

K SPECIAL APPLICATIONS Containermulch



Product

Containermulch

Recipe-No.

084

Composition



Clay

pH-value (H₂O)

5.5

Fertilisation (g/l)

none

Extra trace elements

Wetting agent

Structure

fine

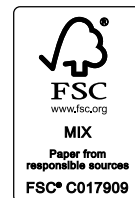
Use for

For mulching container-grown plants and flower beds



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.



we make it grow