



# **SUBSTRATES**

PRODUCT CATALOG





## SUSTAINABILITY

The KRONEN® Group is committed to minimizing the negative environmental impacts caused by peat extraction.

### The two key points of focus are:

- The after use of peat extraction sites
- The use of fast renewable resources into the product mix

The KRONEN® Group has proven that peat field extraction sites can be transformed into natural reserve areas that restore the natural flora and fauna of the land. In Germany, 400ha of a former peat field extraction site have been successfully transformed into a natural reserve area.

The importance of the usage of quickly renewable resources is emphasized by the investments in the groups own wood fibre production. Today the product mix is based on 30% of raw materials which come from quickly renewable resources.

The success of this initiative, is being used as a blue print for other projects of this type.

Find more at: [www.kronen-substrates.com](http://www.kronen-substrates.com)



The "Green Lily" is a trademark for excellence, supported by several decades of knowledge and experience.

The foundation for producing a broad spectrum of high quality professional substrates is ensured through consistent peat field management. The Kronen Group implements a thorough management process in its own fields, as well as for the raw materials that are sourced externally.

KRONEN® substrates are based on recipes developed in collaboration with scientific institutes and tested by leading gardening companies.

The performance and safety of your crops is not only secured by the high standards of our own quality control, but also by audits performed by external organisations.

**Products with the "Green Lily" trademark are therefore acknowledged by plant producers worldwide.**





# POTGROND

is a professional, fine structured, well balanced substrate for blocking and propagation in trays.  
The addition of frozen black peat guarantees an optimum blocking performance as well as improved water holding capacity and low shrinkage. The level of fertiliser and lime added is meeting the requirements of your crop.  
Wetting agent ensures easy and reliable re-wetting.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
  - Ecofibrex® superfine
- K1 POTGROND volume is 70 L and Big-Bales, other substrates are 200L and Big-Bales  
All volumes are to EN 12580 Norm

- for trays
- for blocks
- for pots and containers

RCP NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS
006	Blocking substrate for propagation of vegetables	Frozen through black peat 0-5 mm Milled white peat 0-5 mm	fine	1,0 g/l			6,0	sticking for block formation		young vegetable plants
007	Propagation substrate for vegetables and tobacco seedlings	Frozen through black peat 0-5 mm Milled white peat 0-5 mm	fine	1,5 g/l			6,0	high water and drainage capacity		young vegetable plants, tobacco
010	Propagation substrate for vegetables	Frozen through black peat 0-5 mm Milled white peat 0-5 mm	fine	1,0 g/l			6,0	high drainage capacity		young vegetable plants
011	Propagation substrate for cabbage	Frozen through black peat 0-5 mm Milled white peat 0-5 mm	fine	1,0 g/l			6,3	high drainage capacity		cabbage
012	Propagation substrate for vegetables	Frozen through black peat 0-5 mm Milled white peat 0-5 mm Perlite	fine	1,0 g/l			6,0	high drainage capacity		young vegetable plants







# TRAY SUBSTRATE

is a professional, fine structured substrate, suitable for propagation in trays.  
The different blends are carefully balancing water and air capacity in order to meet the requirements of your horticultural practises. Two different levels of fertiliser are taking into account the nutrient requirements of your individual crops.  
Wetting agent ensures easy and reliable re-wetting.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
  - Ecofibrex® superfine
- K1 POTGROND volume is 70 L and Big-Bales, other substrates are 200L and Big-Bales  
All volumes are to EN 12580 Norm

- for trays
- for blocks
- for pots and containers

RCP NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS
001	Propagation substrate for vegetable and ornamental plants	Milled white peat 0-5 mm	fine	1,0 g/l			6,0	high water capacity		young vegetable plants, young ornamental plants
004	Propagation substrate for bedding plants with a higher nutrient demand	Milled white peat 0-5 mm	fine	2,0 g/l			6,0	higher nutrient demand		bedding plants, tobacco
019	Propagation substrate for vegetable and ornamental plants with increased water capacity	Milled white peat 0-5 mm Brown peat 0-5 mm	fine	1,0 g/l			6,0	higher water capacity		young vegetable plants, young ornamental plants
020	Propagation substrate for vegetable and ornamental plants with a higher nutrient demand	Milled white peat 0-5 mm Frozen through black peat 0-5 mm	fine	2,0 g/l			6,0	high drainage capacity		vegetable, ornamental plants







# STECK SUBSTRATE

is a professional, fine structured substrate especially tailored for rooting cuttings. With the addition of Perlite, this mix is offering a high air-and drainage capacity. The reduced fertiliser level is taking the salt- sensitivity of this propagation method into account. Wetting agent ensures easy and reliable re-wetting.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
- Ecofibrex® superfine

K1 POTGROND volume is 70 L and Big-Bales, other substrates are 200L and Big-Bales  
All volumes are to EN 12580 Norm

- for trays
- for blocks
- for pots and containers

RCP NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS
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022 Substrate for rooting of cuttings



Milled white peat 0-5 mm  
Perlite

fine

0,5 g/l



6,0

high air capacity



cuttings







# POTTING SUBSTRATE

With this product range, Kronen® is offering substrates of various structures, blends and fertiliser levels, precisely meeting the requirements of your crops. Carefully balancing out air- and water capacity by using frozen black or block peat in the mix, this product range is leading to superior root development with various pot sizes employed. Wetting agent ensures easy and reliable re-wetting.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
  - Ecofibrex® superfine
- K1 POTGROND volume is 70 L and Big-Bales, other substrates are 200L and Big-Bales  
All volumes are to EN 12580 Norm

- for trays
- for blocks
- for pots and containers

RCP.NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS
640	Potting substrate for green plants	Block peat 10-25; 25-45 mm Milled white peat 0-70 mm	coarse	1,0 g/l			6,0	very high air capacity	>2L	foliage plants, Cyclamen, Anthurium, Calathea
625	Potting substrate for green plants and ornamental plants with high share of sod peat fractions for long structure stability	Block peat 10-25 mm Milled white peat 0-70 mm	medium	1,0 g/l			6,0	very high air capacity, long lasting structure	>2L	foliage plants, Cyclamen, Anthurium, Calathea
610	Potting substrate with high air and drainage capacity	Block peat 10-25; 25-45 mm Milled white peat 0-70 mm Brown peat 0-25 mm	coarse fibrous	1,0 g/l			6,0	high air capacity, long lasting structure	>10	pot plants, foliage plants
250	Potting substrate for plants with a high nutrient demand	Block peat 5-10 mm Milled white peat 0-25 mm	medium	2,0 g/l			6,0	high nutrient demand	9-13	ornamental plants, Pelargonium, Fuchsia, Chrysanthemum
230	Potting substrate for green plants and ornamental plants with high share of sod peat fractions for long structure stability	Block peat 10-25 Milled white peat 0-25 mm	medium	1,0 g/l			6,0	high air capacity long lasting structure	11-15	ornamental plants, foliage plants
211	Potting substrate for bedding plants with clay (20 g/l)	Milled white peat 0-25 mm Block peat 10-25	medium /coarse	1,0 g/l			6,0	high air capacity	9-13	bedding plants







# BEDDING SUBSTRATE

is a professional, medium structured substrate for growing bedding plants. Carefully balancing out air- and water capacity by using either frozen black- or block peat in the substrate mix, this product range is leading to superior root growth. Wetting agent ensures easy and reliable re-wetting.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
  - Ecofibrex® superfine
- K1 POTGROND volume is 70 L and Big-Bales, other substrates are 200L and Big-Bales  
All volumes are to EN 12580 Norm

- for trays
- for blocks
- for pots and containers

RCP NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS
200	Substrate for bedding plants	Milled white peat 0-25 mm Frozen through black peat 0-25 mm	medium	1,0 g/l			6,0	high water capacity	9-13	bedding plants
280	Substrate for bedding plants	Milled white peat 0-25 mm Block peat 10-25	medium	1,0 g/l			6,0	additional air capacity	12-15	ornamental plants, foliage plants







# BASIC

This product range for professional horticulture is reflecting a variety of structures from fine to coarse fibrous. The addition of frozen black peat is improving water holding capacity. Air capacity is enhanced by blending in block peat. The addition of wetting agent is ensuring easy re-wettability.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
  - Ecofibrex® superfine
- K1 POTGROND volume is 70 L and Big-Bales, other substrates are 200L and Big-Bales  
All volumes are to EN 12580 Norm

- for trays
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- for pots and containers

RCP NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS	FINE
009	Basic substrate with excellent fine structure	Milled white peat 0-5 mm Block peat 5-10 mm	fine	—	—	—	6,0	high air capacity	multi-purpose		
MEDIUM											
065	Basic substrate with a high content of sod peat for long structure stability	Milled white peat 0-25 mm Frozen through black peat 0-25 mm	medium	—	—		6,0	higher water capacity	9-13 bedding plants, patio plants		
255	Basic substrate with medium structure	Milled white peat 0-25 mm	medium	—	—		6,0	high water capacity	9-13 multi-purpose		
COARSE											
675	Basic substrate with a high content of sod peat for long structure stability	Block peat 10-25; 25-45 mm Milled white peat 0-25; 0-70 mm	coarse fibrous	—			6,0	high air capacity	>2L multi-purpose		
680	Basic substrate with medium structure	Block peat 25-45 mm Milled white peat 0-40 mm	coarse fibrous	—			5,5	high air capacity, long lasting structure	>2L Bromelias		







# ECO-BLOCKING SUBSTRATE

is a professional, fine structured, well balanced substrate for blocking and propagation in trays replacing a certain percentage of peat with Ecofibrex®, a unique, nitrogen stabilised wood-fibre from fast renewable resources. The use of frozen black peat guarantees an optimum blocking performance as well as improved water holding capacity and low shrinkage. The level of fertiliser and lime added is meeting the requirements of your crop. Wetting agent ensures easy and reliable re-wetting.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
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- K1 POTGROND volume is 70 L and Big-Bales, other substrates are 200L and Big-Bales  
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RCP NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS
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033

Blocking substrate for ecological propagation of vegetables.



Frozen through black peat 0-5 mm  
Ecofibrex® superfine

fine

organic



6,0

ecological for block formation



young vegetable plants







# PEAT MOSS

This product range for professional horticulture and landscape is reflecting a variety of peat structures from fine to coarse- fibrous suitable for self- mixing or soil improvement.



## LEGEND

### Raw materials and its components

- Frozen through black peat 0-5 mm
- Frozen through black peat 0-25 mm
- Milled white peat 0-5 mm
- Milled white peat 0-25 mm
- Milled white peat 0-70 mm
- Brown peat 0-5 mm
- Brown peat 0-25 mm
- Block peat 5-10 mm
- Block peat 10-25 mm
- Block peat 25-45 mm

- Perlite
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RCP NR.	APPLICATION	COMPOSITION	STRUCTURE	FERTILIZER (N+P+K)	TRACE ELEMENTS	WETTING AGENT	pH (H <sub>2</sub> O)	CHARACTERISTIC	USAGE (cm or liter)	CROPS
901	Soil improvement, selfmixing.	Milled white peat 0-5 mm	fine	—	—	—	3,0 - 3,5	high water capacity	multi-purpose	
925	Soil improvement, selfmixing.	Milled white peat 0-25 mm	medium	—	—	—	3,0 - 3,5	high water capacity	multi-purpose 9-16	





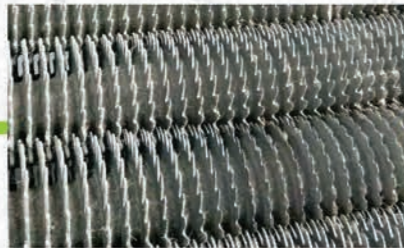
## PRODUCTION PROCESS

# KNOW-HOW MEETS TECHNOLOGY



### PEAT HARVESTING

Peat is harvested either by block-cutting or by surface milling.



### PEAT GRADING

screening grades are :  
0-5mm, 5-10mm, 10-25mm, 25-45mm  
or 0-25mm



### COMPOSITION OF SUBSTRATES

The optimum peat raw materials (frozen black peat, surface milled peat and/or sod peat) are blended carefully.



### PRODUCT PACKAGING

The substrates are filled into bags, bales or big bales.



### DOSING OF FERTILISER AND LIME

Our highly sophisticated computer- controlled dosing system is safeguarding the addition of fertiliser and lime following strict regulations in connection with our high quality management system.



### ADDITION OF OTHER COMPONENTS

Professional, high- quality components like Perlite, Ecofibrex® and clay are added to the blended peat.



### FINAL QUALITY CHECK

All final products are tested individually for physical and chemical characteristics by leading national and international laboratories following EN Standards prior to delivery. Our production safety is your crop security.



The whole process is ISO 9001 certified.

Find more at: [www.kronen-substrates.com](http://www.kronen-substrates.com)

## LOGISTICS

Logistics is one of the critical success factors in the strategy of the KRONEN® Group.

Shipping must be economical and at the same time reliable. The KRONEN® logistics department is closely monitoring the transport industry to be able to adapt to changes and find new solutions. At the same time long lasting partnerships with trusted forwarders ensure stability in a volatile transport market.

KRONEN® products can be delivered directly to growers anywhere in the world.





RAW MATERIALS

# SELECTION OF OUR RAW MATERIAL PRINCIPLES

The goal of the KRONEN® Group is to operate and manage most of the raw material sites by itself.

The raw material sites are quality controlled, tested and certified by an independent body.

External suppliers must be certified by an independent body and have quality assurance schemes. Long lasting supply chains are rated higher than short term gains on the spot market.

Raw materials are sourced as locally as possible.

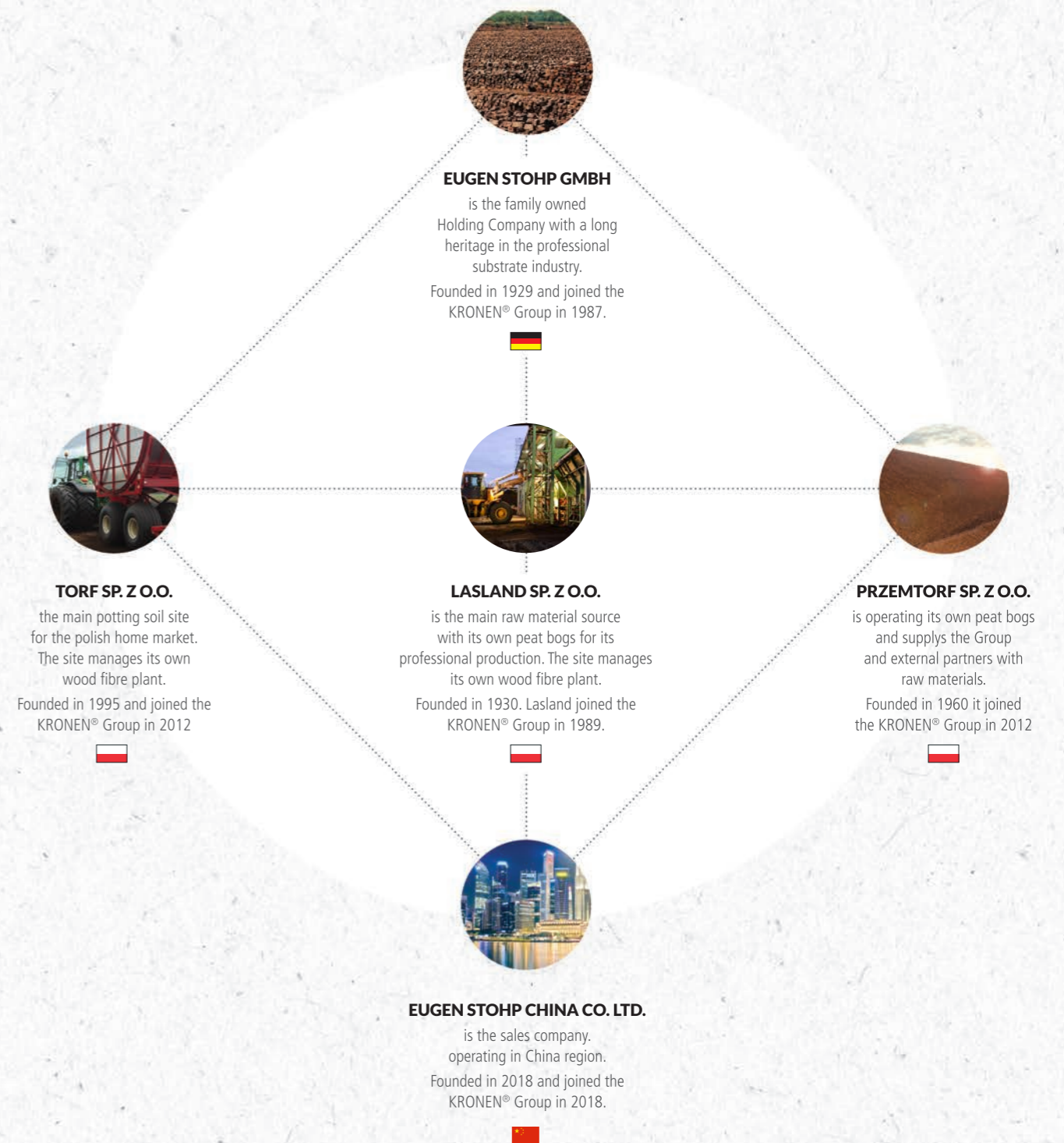
The KRONEN® Group is committed to substituting slow renewable resources with quick renewable resources wherever possible, without compromising on quality.

Find more at: [www.kronen-substrates.com](http://www.kronen-substrates.com)



## The KRONEN® Group

consists of five companies.  
Each company has its own area of operation.  
Great focus is placed on sharing information amongst the group to ensure the highest amount of knowledge within the group.



Find more at: [www.kronen-substrates.com](http://www.kronen-substrates.com)



