



STONEWOOL SUBSTRATES

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Plants outfitted with European equipment



Multistage quality control



Production automation



Individual product labelling



Natural, eco-friendly raw material

STONEWOOL
SUBSTRATES



Economical pricing



Customizable product sizing



Rapid shipping



TN-Recycling programme

TECHNONICOL TODAY



30 years
on the market



70 production
sites



10 research
centres



TECHNONICOL is a leading international producer of reliable and efficient construction materials and building systems

TECHNONICOL is a leading international producer of reliable and efficient construction materials and building systems. The company offers the market state-of-the-art technologies that combine the advancements of our own research centres with cutting-edge global expertise.

Along with the TECHNONICOL thermal insulation materials long embraced by the market, the company also produces stonewool substrates for hydroponic plant cultivation under the SPELAND and SPELAND ECO brands.

8,000

highly-qualified employees

>112.9

bln roubles
in annual company turnover

>700

independent business partners

25

production areas

21

training
centres

10

research
centres

DEVELOPMENT PLANS



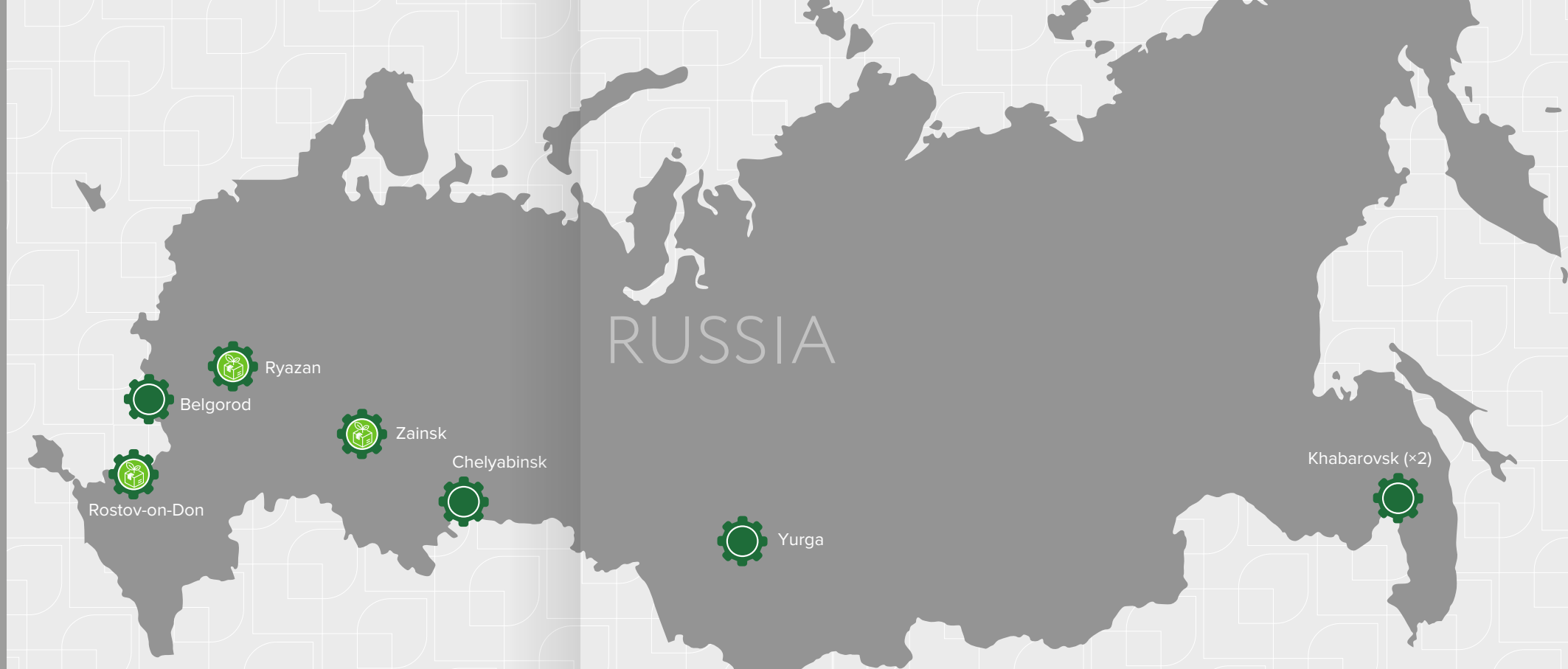
Launch of new
lines



Increase in product
output volumes



Expansion
of services



A total of 8 TECHNOMICOL plants engaged in the production of stonewool products are located throughout the Russian Federation:

- Rostov-on-Don;
- Ryazan;
- Zainsk;
- Chelyabinsk;
- Yurga;
- Khabarovsk (2 plants);
- Belgorod.

As of today, SPELAND and SPELAND ECO products are manufactured by 3 plants, located in Ryazan, Zainsk and Rostov-on-Don.

However, the company has no intention of resting on its laurels and has set its sights on ramping up its substrate production volumes and launching new lines to be geographically closer to its customers.



Current TECHNOMICOL plants



Current TECHNOMICOL plants
manufacturing SPELAND
and SPELAND ECO products

FROM BASALT TO A HIGH-YIELD CROP



Basalt-based



High-yield
crop



Eco-friendliness

The primary raw material used in the production of SPELAND and SPELAND ECO substrates is gabbro-basaltic igneous rock

The primary raw material used in the production of SPELAND and SPELAND ECO substrates is gabbro-basaltic igneous rock – a magmatic formation resulting from volcanic eruptions. This unique raw material is natural, eco-friendly and safe.

The substrate's eco-friendliness plays an important role not only in ensuring the quality of the ultimate crop, but also in reducing environmental stress. TECHNINICOL's exacting ecological standards presume a closed product lifecycle: from production to recycling.

To obtain high-quality fibre, batch formulation is carefully controlled at the plant. The formulating technique for the raw batch used in substrate production entails a predominately high content of solid naturally-occurring basalt rock: up to 75–80 %. The remaining 20–25 % is composed of corrective additives intended to elevate the quality of the fibre and ensure that the finished product boasts the required properties.

MODERN PRODUCTION



Plants outfitted
with modern
equipment



Melting of raw
components
at a temperature
of 1,700 °C



Customizable
product sizing



TECHNO plants are outfitted with modern equipment for the production of stonewool-based materials

TECHNO plants are outfitted with modern equipment for the production of stonewool-based materials. All line processes are automated and conducted under the continuous supervision of operators using modern visualisation software, which makes it possible to swiftly adjust the product's quality characteristics as needed in the process of its manufacture.

The raw components enter the cupola unit, where they are melted down at a temperature reaching 1,700 °C.

A critical step in obtaining a high-quality semi-finished product is the fiberisation process, which is carried out on a double four-roll centrifuge with the molten material subsequently being fed into a receiving wire-belt mesh conveyor. Binding components are added at the fibre-forming stage.

Modern technologies make it possible to minimise the content of nonfibrous inclusions and achieve the greatest possible homogeneity of the semi-finished product's structure. This parameter has a significant effect on the uniform distribution of the nutrient solution throughout the substrate and, consequently, on the development of a strong and healthy root system for the future plants.

Then, at the pendulum placement and corrugation stage, the required density and strength parameters of the final product are set. The line equipment makes it possible to set the desired fibre orientation according to the type of product being manufactured: vertical-chaotic (multidirectional), horizontal or vertical. The final stage of semi-finished product forming occurs in the polymerisation chamber.

INNOVATION



Production
automation



Wide range
of products



Individual
product labelling



The automated production line for SPELAND and SPELAND ECO substrates is outfitted with modern high-tech equipment

The automated production line for SPELAND and SPELAND ECO substrates is outfitted with modern high-tech equipment. It was designed and manufactured by the industry's leading companies on special order from TECHNINICOL.

The introduction of innovative solutions into the production process has helped to improve the properties of our finished products, enhance packaging quality, obtain a wide range of products and provide consumers with high-quality substrate.

With the aim of increasing the quality control of our SPELAND and SPELAND ECO products, we've installed additional equipment. To identify the specific lot number of certain substrate, we add individual labelling. Now, it's easy to determine the lot number and production date of a particular mat or block. This makes it possible to track the production date, time and shift of a product that's already in circulation.

UNDER CLOSE SUPERVISION



Own
certified
laboratories



5-stage
quality control
system



Check
of pH indicators



TECHNO plants feature on-site quality control departments that boast their own certified laboratories

TECHNO plants feature on-site quality control departments that boast their own certified laboratories. Department specialists maintain strict control over the quality of product output according to a four-stage system that encompasses the following steps: incoming inspection of raw material components, quality control of semi-finished products on the line and directly at the substrate-cutting stage, quality control of products as they leave the conveyor.

Controllers pay particular attention to the performance indicators of final products and testing results. The last step entails the random sampling of product storage conditions at the warehouse. Primary quality indicators, such as appearance, geometrical dimensions, holes, groove cutting, density, water immersion and welded-joint reliability, are determined right on the line by production personnel.

The laboratory conducts numerous tests and inspections of semi-finished and randomly-sampled finished products, which in turn guarantees the continuous improvement and stability of the substrate's quality characteristics affecting plant growth.

In accordance with the requirements of technical specifications, the following product indicators are tested: compressive strength at 10 % deformation, water absorption, shrinkage at full wetting and porosity. Above and beyond their core control duties, laboratory specialists also check pH, Ec, moisture-retention capacity and drainage indicators, conduct biotesting on garden-cress pepperweed, and do much more to promote quality control. In addition, substrate quality is regularly tested at outside laboratories.

Thanks to this testing and step-by-step control, customers receive high-quality substrates with stable performance characteristics.

SERVICE WITH CUSTOMER CARE



Rapid shipping



Streamlined
product ordering



Agronomical
support



We strive to be leaders – not only in terms of production volume, but also with respect to the quality of our customer service by anticipating the demands and expectations of consumers

The key to TECHNOMICOL's success and continuous development lies in its pursuit of uninterrupted modernisation, the broadening of its goals, the expansion of its product line and ongoing improvements to the servicing of its customers and partners. The professional expertise of our employees, the industry-specific technical consultations that we offer, our geographical proximity to our customers, our sophisticated logistics and our full suite of product-delivery services – all of it combines to allow us to take an individual approach to each and every customer.

We strive to be leaders – not only in terms of production volume, but also with respect to the quality of our customer service by anticipating the demands and expectations of consumers.

From the moment each request is received, a personal manager is assigned to closely collaborate with the corresponding customer. This specialist, in direct communication with the customer, identifies their needs, hammers out the terms, writes up the order and independently coordinates the work of all of the company's concerned structural divisions, thereby ensuring swift and optimal decision-making.

Managers in the customer service department are happy to take product requests by any means the customer finds most convenient: by phone, by email or via the customer's profile page at <https://zakaz.tn.ru>. The customer service website at <https://zakaz.tn.ru> allows customers to track the status of each order.

Category A products are shipped within 24 hours.

We offer a flexible discount system and, where necessary, agronomical support to our customers and partners.

TN-RECYCLING PROGRAMME

TECHNICOL is prepared not only to provide its customers with high-quality substrate, but also to reclaim it for recycling free of charge, thereby solving the substrate storage and disposal problem.

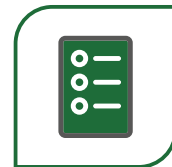
The disposal process consists of the following simple steps:

- An agreement is concluded between the customer and TECHNOMICOL.
- The customer prepares the substrate by: removing the film, extracting all of the moisture, laying the substrate on pallets and arranging for transportation back to the TECHNOMICOL plant.
- The TECHNO plant unloads the substrate, determines its weight and accepts it for recycling, after which the corresponding disposal report is issued.



Cooperation steps within the scope of recycling

1. Concluding
an agreement



➤ 2. Removing
the film
from the substrate



➤ 3. Compacting
the substrate



➤ 4. Laying
the substrate
on pallets



➤ 5. Receiving a certificate
of waste hazard class



➤ 6. Transporting the
substrate to the plant



➤ 7. Transferring the
substrate
for recycling



➤ 8. Receiving
a disposal act



INTERNATIONAL STANDARDS



International
quality
standard



Accompaniment
by a sanitary-
epidemiological
conclusion
certificate



Technical
innovations by
the company's
own research and
development
centre



TECHNO plants are certified according to the international quality standard ISO

TECHNO plants are certified according to the international quality standard ISO. The company's quality management system adheres to the requirements of the international standard ISO 9001:2015, which is based on the principles of strong customer focus, a process-oriented approach to production operations and a commitment to continuous improvement.

The conformance of our products to applicable sanitary-hygienic rules and regulations is confirmed by the findings of the corresponding sanitary-epidemiological expert conclusion. Accompaniment by a sanitary-epidemiological conclusion certificate guarantees the quality and safety of our products.

With a view to satisfying the long-range requirements of our customers, the innovative advancements of the company's own R&D Centre and Laboratory are continuously integrated into the production process.

By choosing SPELAND and SPELAND ECO substrates, you're choosing reliability and quality.

SPELAND PRODUCTS

SPELAND SUBSTRATES



High quality
standards



Natural,
eco-friendly raw
material



Economical
pricing



SPELAND products provide a reliable basis
for plant cultivation using small-capacity
technology

Applying unique technologies and innovative solutions in the field of hydroponic plant cultivation, TECHNINICOL specialists have released SPELAND substrates with improved characteristics onto the market.

SPELAND products are carefully balanced, easy-to-handle substrates that meet all of the applicable requirements for the professional production of vegetable and flower crops. They provide a reliable basis for plant cultivation using small-capacity technology.



Characteristics of SPELAND substrates

- Uniform flexible-elastic structure
- Regular geometrical shape
- Stable chemical and hydrophysical properties
- Compliance with all applicable sanitary-hygienic standards
- Microbiological stability and resistance to the chemically-active medium of the nutrient solution
- Stable set parameters throughout the plant growing cycle
- Uniform hydrophilicity
- Technological parameters aimed at the achievement of high crop yields
- Minimisation of the production risks associated with plant cultivation thanks to the observance of high quality standards
- Strict control over the following substrate parameters during the production process: fibre thickness, density, organic element, hydrophilic properties and drainage capacity

SPELAND BASE PLANTLET PLUGS



Support for good
seed germination



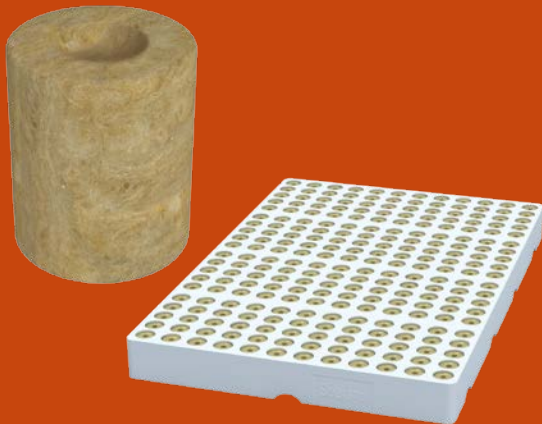
Optimal
hydrophysical
properties



Uniform
distribution
of the nutrient
solution

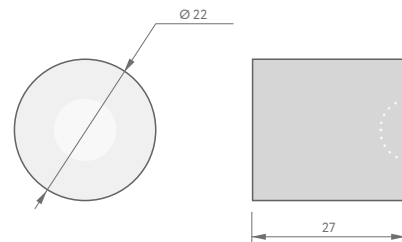
Usage

Seed sprouting for a wide variety of agricultural plants: tomatoes, cucumbers, eggplants, bell peppers, flowers, lettuce, leafy crops, dwarf and ornamental plants.



Dimensions*

- Diameter 22 mm, height 27 mm.



* SPELAND BASE materials can be fabricated
in other sizes.



Dimensions

- Tray 600 × 410 × 50 mm.
Number of cells – 240 pcs.
Cell dimensions: diameter – 24 mm, depth – 32 mm.

SPELAND BASE plugs are available in reusable polystyrene trays. Working with trays makes it possible to maintain set microclimatic parameters and optimal seed-germination temperature with greater precision and simplifies the process of observing and tending to seeds.

Characteristics

- Vertical-chaotic positioning of the fibres ensures the strength of the substrate while encouraging its penetration by the roots
- Uniform water absorption
- Dimensional stability
- Uniform distribution of the nutrient solution
- Support for good seed germination thanks to optimal moisture and air content

SPELAND MID SEEDLING BLOCKS



Vertical-chaotic
fibre positioning



Optimal
moisture-
retention
capacity



Rapid root-
system formation

Usage

Growing the seedlings of vegetable and flower crops.

The seeds are planted directly into the block hole, or a plug-germinated plantlet is placed into the block.

The characteristics of SPELAND MID blocks make them an optimal product for growing strong plants with a good balance of vegetative and generative development.



Dimensions*

Seedling blocks:

- SPELAND MID 75 × 75 × 65 mm
- SPELAND MID 100 × 100 × 65 mm
- SPELAND MID 150 × 100 × 65 mm
- SPELAND MID 150 × 150 × 150 mm

* SPELAND MID materials can be fabricated in other sizes.

Fabrication options

- Grouping of blocks by multiple pieces to reduce laying time and decrease the costs associated with sowing preparation
- Placement of a drainage ring on top for quick dripper installation at the optimal distance from the stalk
- Drainage grooves at the bottom of the block ensure the unobstructed diversion of excess solution and provide the roots with easy access to oxygen
- The drainage grooves can be cut along the length or width of the block

Characteristics

- Vertical-chaotic positioning of the fibres ensures high strength properties and easy root penetration into the substrate
- The optimal air-water balance of the root system is achieved through the presence of varying-sized pores
- Easy nutrient-solution saturation with its even distribution throughout the entire mass
- Energetic sprouts
- Formation of a strong and vibrantly-branching root system

SPELAND VEGA VEGETATION MATS



Rapid rooting



Easy control
of root-medium
indicators



Uniform water
absorption

Usage

Professional hydroponic cultivation of a wide variety of vegetables.



Dimensions*

Vegetation mats:

- SPELAND VEGA 500 × 240 × 100 mm
- SPELAND VEGA 1,000 × 150 × 100 mm
- SPELAND VEGA 1,000 × 200 × 75 mm
- SPELAND VEGA 1,000 × 200 × 100 mm
- SPELAND VEGA 1,200 × 200 × 75 mm

Available layouts of holed mats

SPELAND VEGA
500 × 240 × 100 mm



SPELAND VEGA
1,000 × 150 × 100 mm



SPELAND VEGA
1,200 × 200 × 75 mm



* SPELAND VEGA materials can be fabricated
in other sizes.

VEGETABLE CULTIVATION



Options for the placement of film holes

- They can be completely cut or merely perforated for the subsequent formation of holes
- The holes are round-, square-, rectangular- or cross-shaped

Characteristics

- High-quality multilayer package film featuring protection from UV-ray exposure
- Good root-system formation and penetration throughout the entire mat thanks to the flexible-elastic structure of the fibres
- Rapid reaction to changes in the concentration and composition of the nutrient solution

- Economical consumption of the nutrient solution thanks to its easy replenishment and the material's optimal moisture-retention capacity
- Easy control of plant growth and development
- High capillary action ensures the minimal moisture gradient along the height of the substrate
- The substrate's impressive strength characteristics ensure uniform hydrophysical properties throughout the entire plant cultivation cycle
- The substrate's inertness, combined with its good drainage ability, make it easy to work with and allow for a rapid response to changing plant needs

SPELAND VEGA

VEGETATION MATS



Durability



Shrink resistant



Low weight

Usage

Rooftop gardening with lawn and other grasses requiring regular watering.



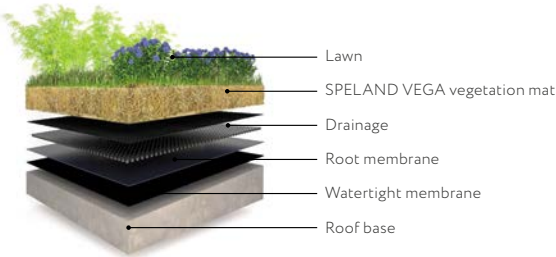
ROOFTOP

GARDENING

Dimensions*

SPELAND VEGA

vegetation mats 1,200 × 600 × 50 mm.



* SPELAND VEGA materials can be fabricated in other sizes.

Advantages of SPELAND VEGA

vegetation mats in rooftop gardening

- Low weight
- High water absorption
- Good thermal characteristics
- Impressive acoustic characteristics
- Optimal porosity
- Minimal shrinkage
- Eco-friendliness
- Durability

Physical and mechanical characteristics

Indicator	Value
Density, kg/m³	120
Dry weight, kg/m²	6
Saturated weight, kg/m	46
Water-retention capacity, %	40 V m² = 80 %
Air volume, %	16
Medium reaction, pH	6.5–7.5

SPELAND VEGA VEGETATION MATS



Eco-friendliness



Easy to use



Even sprouting

Usage

Professional cultivation of lettuce, a wide variety of leafy vegetables and microgreens.



MICROGREEN
CULTIVATION

Dimensions

SPELAND VEGA vegetation mats can be fabricated to your preferred dimensions.

Characteristics

- The absence of pathogens reduces the likelihood of crop disease
- Quickly assumes the pH of the nutrient solution without affecting its composition
- The optimal strength and elasticity of the fibres encourages easy root penetration with fast and even sprouting
- Substrate porosity of over 90 %
- Optimal aeration of the root zone thanks to a high number of varying-sized pores
- Impressive ability to retain water – moisture-retention capacity of not less than 80 %

SPELAND FLORET VEGETATION MATS



High strength
indicators



Easy watering
control



Optimal
hydrophysical
properties

Usage

Professional cultivation of roses.



Dimensions*

Vegetation mats:

- SPELAND FLORET 1,000 × 200 × 75 mm
- SPELAND FLORET 1,200 × 200 × 75 mm

Options for the placement of film holes

- They can be completely cut or merely perforated for the subsequent formation of holes
- The holes are round-, square-, rectangular- or cross-shaped

Available layouts of holed mats

SPELAND FLORET
1,000 × 200 × 75 mm



SPELAND FLORET
1,200 × 200 × 75 mm



* SPELAND FLORET materials can be fabricated
in other sizes.

Characteristics

- Can be used in trays and on the greenhouse floor
- Easy watering control thanks to the rapid responsiveness of the substrate
- Stability of hydrophysical characteristics throughout the entire plant vegetative cycle thanks to the high strength properties of the substrate
- Restoration of moisture without loss of quality in case of the substrate's gradual drying
- Rapid saturation with the nutrient solution and unobstructed drainage
- Capable of supporting rose cultivation for 5–7 years without substrate replacement
- Highly resistant to shrinkage throughout the entire plant cultivation period thanks to its uniform and stable structure
- Easy formation and maintenance of a robust root system over many years of vegetation



SPELAND ECO PRODUCTS

SPELAND ECO SUBSTRATES



High quality
standards



Natural binding
agent



Compliance
with applicable
sanitary-hygienic
standards



TECHNONICOL is continuously improving
the company's product brands

TECHNONICOL is continuously improving the company's product brands. This work has resulted in the emergence of an innovative product – SPELAND ECO substrates. The substrates are fabricated according to a revolutionary technology based on the use of natural raw materials: high-quality gabbro-basaltic igneous rock and a binding agent made of natural organic components.



Characteristics

- An ecologically-clean ("green") product based on natural components
- Instantaneous saturation of the substrate with the nutrient solution and rapid balancing of Ec and pH levels, thereby reducing the time spent preparing the blocks for sowing while saving on water and fertilizer
- Easy maintenance of pH within the optimal range
- Formation of a healthy and robust root system
- Uniform moisture and Ec gradient throughout the entire substrate mass due to even distribution of the hydrophilic component along the whole length of the fibre

SPELAND ECO BASE PLANTLET PLUGS



Natural binding
agent



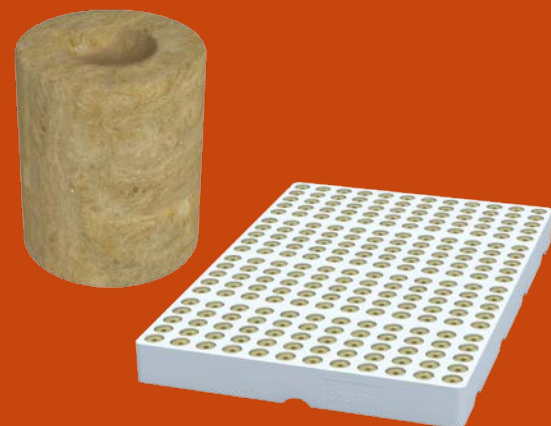
Even
sprouting



Uniform
distribution
of the nutrient
solution

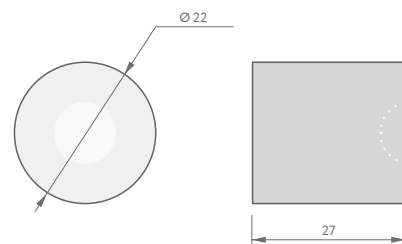
Usage

Seed sprouting for a wide variety of agricultural plants: tomatoes, cucumbers, eggplants, bell peppers, flowers, lettuce, leafy crops, dwarf and ornamental plants.



Dimensions*

- Diameter 22 mm, height 27 mm.



* SPELAND ECO BASE materials can be
fabricated in other sizes.



Dimensions

- Tray 600 × 410 × 50 mm.
Number of cells – 240 pcs.
Cell dimensions: diameter – 24 mm, depth – 32 mm.

SPELAND ECO BASE plugs are available in reusable polystyrene trays. Working with trays makes it possible to maintain set microclimatic parameters and optimal seed-germination temperature with greater precision and simplifies the process of observing and tending to seeds.

Characteristics

- Vertical-chaotic positioning of the fibres ensures stable hydrophysical properties
- Rapid and even sprouting
- High water absorption and easy drainage

SPELAND ECO MID SEEDLING BLOCKS



Natural binding
agent



Vertical-chaotic
fibre distribution



Uniform
distribution
of the nutrient
solution

Usage

Growing the seedlings of vegetable and flower crops.

The characteristics of SPELAND ECO MID blocks make them the ideal product for growing strong plants with a good balance of vegetative and generative development.



Dimensions*

Seedling blocks:

- SPELAND ECO MID 75 × 75 × 65 mm
- SPELAND ECO MID 100 × 100 × 65 mm
- SPELAND ECO MID 150 × 100 × 65 mm

* SPELAND ECO MID materials can be fabricated in other sizes.

Fabrication options

- Grouping of blocks by multiple pieces to reduce laying time and decrease the costs associated with sowing preparation
- Placement of a drainage ring on top for quick dripper installation at the optimal distance from the stalk
- Drainage grooves at the bottom of the block ensure the unobstructed diversion of excess solution and provide the roots with easy access to oxygen
- The drainage grooves can be cut along the length or width of the block

Characteristics

- Vertical-chaotic (multidirectional) positioning of the fibres ensures even distribution of the nutrient solution while maintaining the substrate's strength and superior drainage properties
- Easy Ec and pH control
- Rapid penetration and even distribution of the roots throughout the entire mass of substrate
- Plants grow more robustly within a shorter period of time
- The natural composition of product components ensures energetic plant growth, particularly at the initial stage

SPELAND ECO VEGA VEGETATION MATS



Natural binding
agent



Rapid rooting



Uniform water
absorption

Usage

Professional hydroponic cultivation of a wide
variety of vegetables.



Dimensions*

- SPELAND ECO VEGA 500 × 240 × 100 mm
- SPELAND ECO VEGA 1,000 × 150 × 100 mm
- SPELAND ECO VEGA 1,000 × 200 × 75 mm
- SPELAND ECO VEGA 1,000 × 200 × 100 mm
- SPELAND ECO VEGA 1,200 × 200 × 100 mm
- SPELAND ECO VEGA 2,000 × 200 × 75 mm

Available layouts of holed mats

SPELAND ECO VEGA
500 × 240 × 100 mm



SPELAND ECO VEGA
1,000 × 150 × 100 mm



SPELAND ECO VEGA
1,200 × 200 × 75 mm



* SPELAND ECO VEGA materials can be
fabricated in other sizes.

Options for the placement of film holes

- They can be completely cut or merely perforated for
the subsequent formation of holes
- The holes are round-, square-, rectangular- or cross-
shaped

Characteristics

- Rapid rooting and subsequent development of the
root system
- Uniform distribution of nutrient solution and EC
throughout the entire material mass
- Easy maintenance of set Ec and pH values within the
optimal range
- High water-sorption capability thanks to good
capillary properties
- Rapid responsiveness to changes in nutrient solution
and watering volume, making it possible to react
quickly to evolving plant needs



LOGISTICAL PARAMETERS

Calculator ►
“Select
Transport”



Product name	Dimensions	Quantity
SPELAND BASE plantlet plug (in trays)	Diameter 22 mm Height 27 mm	240 pcs in a tray, 2,880 in a box, 44 boxes or 126,720 pcs per pallet
SPELAND MID seedling blocks	(L × W × H) 75 × 75 × 65 mm	576 pcs in a box 18,432 pcs per pallet
SPELAND MID seedling blocks	(L × W × H) 100 × 100 × 65 mm	324 pcs in a box 10,368 pcs per pallet
SPELAND MID seedling blocks	(L × W × H) 150 × 100 × 65 mm	216 pcs in a box 6,912 pcs per pallet
SPELAND MID seedling blocks	(L × W × H) 150 × 150 × 150 mm	64 pcs in a box 2,048 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 500 × 240 × 100 mm	6 pcs in a package 512 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 1,000 × 200 × 75 mm	12 pcs in a package 444 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 1,200 × 200 × 75 mm	12 pcs in a package 384 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 1,200 × 500 × 115 mm	80 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 800 × 600 × 86 mm	168 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 1,000 × 600 × 75 mm	120 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 1,200 × 1,200 × 100 mm	48 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 1,200 × 1,000 × 60 mm	96 pcs per pallet
SPELAND VEGA vegetation mats	(L × W × H) 1,200 × 600 × 50 mm	192 pcs per pallet

Product name	Dimensions	Quantity
SPELAND FLORET vegetation mats	(L × W × H) 500 × 240 × 100 mm	6 pcs in a package 512 pcs per pallet
SPELAND FLORET vegetation mats	(L × W × H) 1,000 × 200 × 75 mm	12 pcs in a package 444 pcs per pallet
SPELAND FLORET vegetation mats	(L × W × H) 1,200 × 200 × 75 mm	12 pcs in a package 384 pcs per pallet
SPELAND ECO BASE plantlet plug	Diameter 22 mm Height 27 mm	240 pcs in a tray
SPELAND ECO MID seedling blocks	(L × W × H) 75 × 75 × 65 mm	576 pcs in a box 18,432 pcs per pallet
SPELAND ECO MID seedling blocks	(L × W × H) 100 × 100 × 65 mm	324 pcs in a box 10,368 pcs per pallet
SPELAND ECO MID seedling blocks	(L × W × H) 100 × 150 × 65 mm	216 pcs in a box 6,912 pcs per pallet
SPELAND ECO VEGA vegetation mats	(L × W × H) 500 × 240 × 100 mm	6 pcs in a package 512 pcs per pallet
SPELAND ECO VEGA vegetation mats	(L × W × H) 1,000 × 150 × 100 mm	12 pcs in a package 432 pcs per pallet
SPELAND ECO VEGA vegetation mats	(L × W × H) 1,000 × 200 × 75 mm	12 pcs in a package 444 pcs per pallet
SPELAND ECO VEGA vegetation mats	(L × W × H) 1,000 × 200 × 100 mm	9 pcs in a package 336 pcs per pallet
SPELAND ECO VEGA vegetation mats	(L × W × H) 1,200 × 200 × 100 mm	9 pcs in a package 288 pcs per pallet
SPELAND ECO VEGA vegetation mats	(L × W × H) 2,000 × 200 × 75 mm	12 pcs in a package 192 pcs per pallet

Production facilities
are located at the
following addresses:

- 21/58 Vostochny Promuzel,
Ryazan, Russia
- 7 Ul. Avtozavodskaya, Zainsk,
Republic of Tatarstan, Russia
- 1 km NE of 1 Ul. Sodruzhestva,
Krasny Sulin, Rostov Region, Russia



TECHNONICOL
on social media



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THE BASIS OF GREAT GROWTH



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