

TECHNONICOL 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:

1. An agreement is concluded between the customer and TECHNONICOL.
2. The customer prepares the substrate by: removing the film, compacting the substrate, laying it on pallets and arranging for transportation back to the TECHNONICOL plant.
3. 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

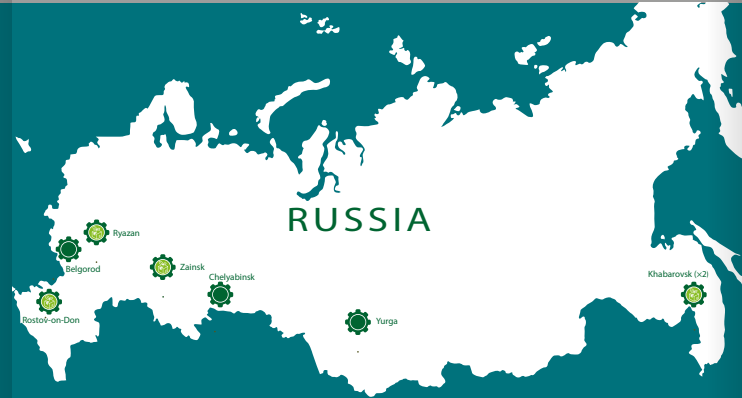
1. Concluding an agreement
2. Removing the film from the substrate
3. Compacting the substrate



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



Current TECHNONICOL plants



Current TECHNONICOL plants manufacturing SPELAND and SPELAND ECO products

### PRODUCTION ADDRESSES:

21/58 Vostochny Promuzel, Ryazan, Russia

7 Ul. Avtozavodskaya, Zainsk, Republic of Tatarstan, Russia

1 km NE of 1 Ul. Sodruchestva,  
Krasny Sulin, Rostov Region, Russia

8, 60-Letiya Oktyabrya Prospekt, Khabarovsk, Khabarovsk Krai,  
Russia

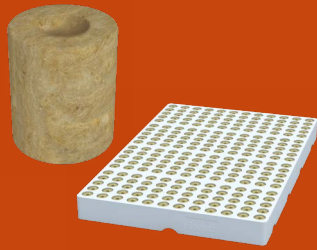


Professional consulting  
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STONEWOOL SUBSTRATES

## SPELAND ECO BASE PLANTLET PLUGS



Natural binding agent



Even sprouting



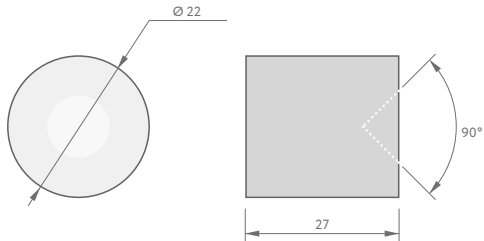
Uniform distribution of the nutrient solution

### 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.



- 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 BASE materials can be fabricated in other sizes.

## 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. Characteristics of SPELAND ECO MID blocks make them an ideal product for growing strong plants with a good balance of vegetative and generative development.

### Dimensions\*

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

### 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 MID materials can be fabricated in other sizes.

## 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

### 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

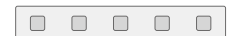
SPELAND ECO VEGA  
500 × 240 × 100 mm



SPELAND ECO VEGA  
1,000 × 150 × 100 mm



SPELAND ECO VEGA  
1,200 × 200 × 75 mm



### 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

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