

TECHNICONOL 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 TECHNICONOL.
2. The customer prepares the substrate by: removing the film, compacting the substrate, laying it on pallets and arranging for transportation back to the TECHNICONOL 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

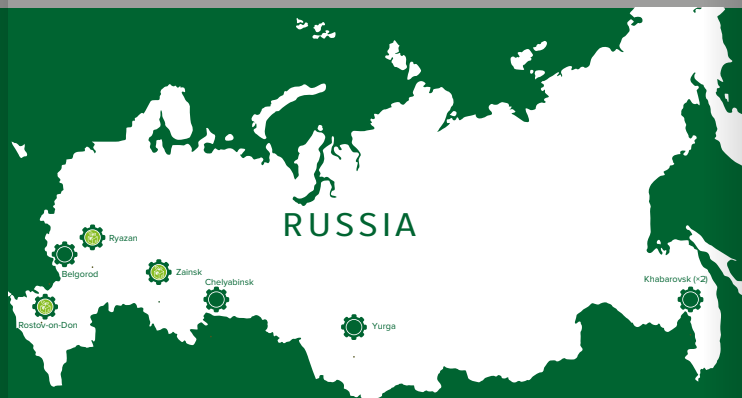
1. Concluding an agreement
2. Removing the film from the substrate
3. Compacting the substrate



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 TECHNICONOL plants



Current TECHNICONOL 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. Sodruzhestva,
Krasny Sulin, Rostov Region, Russia



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STONEWOOL SUBSTRATES

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*

SPELAND MID seedling blocks 75 × 75 × 65 mm
SPELAND MID seedling blocks 100 × 100 × 65 mm
SPELAND MID seedling blocks 150 × 100 × 65 mm
SPELAND MID seedling blocks 150 × 150 × 150 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 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 MID materials can be fabricated in other sizes.

SPELAND VEGA VEGETATION MATS



Eco-friendliness



Low weight



Uniform water absorption

VEGETABLE CULTIVATION

Usage

Professional hydroponic cultivation of a wide variety of vegetables.

Dimensions*

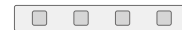
SPELAND VEGA vegetation mats 500 × 240 × 100 mm
SPELAND VEGA vegetation mats 1,000 × 150 × 100 mm
SPELAND VEGA vegetation mats 1,000 × 200 × 75 mm
SPELAND VEGA vegetation mats 1,000 × 200 × 100 mm
SPELAND VEGA vegetation mats 1,200 × 200 × 75 mm

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



ROOFTOP GARDENING

Usage

Rooftop gardening with lawn and other grasses requiring regular watering.

Dimensions*

SPELAND VEGA vegetation mats 1,200 × 600 × 50 mm

MICROGREEN CULTIVATION

Usage

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

Dimensions

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

* SPELAND VEGA materials can be fabricated in other sizes.

SPELAND FLORET VEGETATION MATS



High strength indicators



Easy watering control



Optimal hydrophysical properties

Usage

Professional cultivation of roses.

Dimensions*

SPELAND FLORET vegetation mats 1,000 × 200 × 75 mm
SPELAND FLORET vegetation mats 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



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 FLORET materials can be fabricated in other sizes.