

## ➤ Plugs

Stone wool propagation plugs  
for professional vegetable  
growing

### Product description

The Cultilene plugs provide an optimal air / water balance. This ensures uniform germination and plant development. Due to excellent firmness and shape retention, the plugs can be processed both manually and mechanically. The composition of the plug ensures that the roots can easily root into the cube.

### Product application

Cultilene plugs are used for growing vegetable crops under glass or plastic.

### Guarantee

The guaranteed lifespan of the stone wool substrate and foil is one crop if used under normal growing conditions in high tech greenhouses.

## Why Cultilene plugs?

- ✓ Uniform germination and plant development
- ✓ Optimal air / water balance in the plugs
- ✓ Excellent firmness and shape retention
- ✓ Easy to root into the cube

### Product characteristics

The plugs are just one of the solutions from Cultilene for plant propagation. This controllable water buffer has the following characteristics:

Parameter	
<b>Time required to sink</b>	Class 1 RHP < 25 sec
<b>Nominal water content - at drainage</b>	90%
<b>Nominal water content - pF1</b>	65%

### Technical details

#### Physical requirements

Parameter	
<b>Organic matter</b>	4,5 - 6,5%
<b>Bulk density at delivery *</b>	80 kg/m <sup>3</sup> *

#### Chemical requirements

Parameter	Norms
<b>EC</b>	≤ 0,5 dS/m
<b>pH value in stone wool</b>	5,5 - 7,0

### Substrate tolerances

The following tolerances apply to the nominal dimensions of the final product (dry product):

Dimensions plugs		
	Type 1	Type 2
<b>Diameter</b>	22 +/- 1 mm	21 +/- 1 mm
<b>Height</b>	27 +/- 1 mm	27 +/- 1 mm

Seed hole		
	Seed hole 14/7	Seed hole 16/9
<b>Depth</b>	8 till 5 mm	10 till 7 mm
<b>Diameter</b>	14 mm +/- 1 mm	16 mm +/- 1 mm
<b>Positioning</b>	From centre plug +/- 2 mm	From centre plug +/- 2 mm

### Standard product dimensions

The most commonly used sizes of the plugs are

- 21 mm diameter x 27 mm height
- 22 mm diameter x 27 mm height
- 21 mm diameter x 20 mm height (excl. seed hole)
- 21 mm diameter x 20 mm height (excl. seed hole)

### Applications:

- 240 of 252 tray
- CultiOne (252) or CultiOne Strong
- Round or star tray
- Continuous or section tray
- Full or half/half filled

If you would like to have more information about the possibilities with loose plugs, please contact our Customer Service.



# Plugs

## Grow stress-free

### Packaging and storage

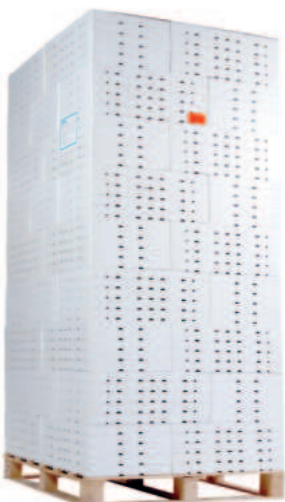
The minimum order quantity for te plugs is 4 pallets.

The plugs can be packed in three ways. In which some packaging may incur additional costs.

- Plugs loose in a box on a pallet



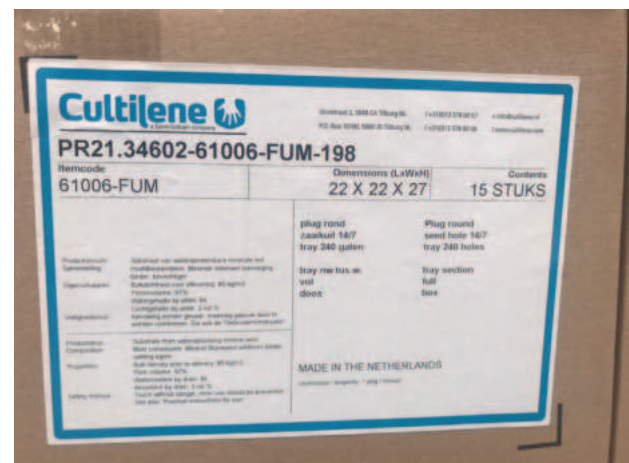
- Plugs in a tray on a pallet



- Plugs in a tray in a box or loose in a box



Each pallet has a pallet label with information such as the production order number, item number, product description and product characteristics.



The pallets must be stored (indoors) in their original packaging in a dry place and away from direct sunlight. The products must be used within two years of the delivery date. Pallets must be stacked no more than 2 high, and we would like to emphasize that the safety rules that apply to stacking pallets must be observed. Ensure the prevention of damage to the packaging material.

## Environment, health and safety concerns

### Environment concerns: recycling

Cultilene devotes a great deal of attention to the recycling of raw materials, both at our own production locations and, after use, at growers' locations. The recycled stone wool can be used, for example, in the production of bricks.

For more information about the recycling of your stone wool, you can contact your Cultilene representative.

### Health concerns

If you are in direct contact with stone wool substrate, we advise you to wear gloves. In insufficiently ventilated spaces, we advise the use of a face mask. Wash your hands before and after handling the stone wool substrate. You can best do this by first rinsing your hands with water to get rid of the dust. Then wash your hands with soap. In case of irritation to eyes or mouth; rinse with clean water and consult a doctor if necessary.

Stone wool from Cultilene is a 'mineral wool' produced in certified EUCEB factories. EUCEB certifies the conformity of stone wool fibres with Note Q of Regulation (EC) No. 1272/2008.

### Safety

If needed, we can supply you with the General Safety Information Sheet for Stone Wool (Safe Use Information Sheet - SUIIS).

### Certification

All Cultilene production and manufacturing sites in Europe are certified with the ISO 9001 & 14001 standards.

### Knowledge

Please refer to the Cultilene Framework for more information about the propagation and growing phases. This can be found at [app.cultilene.com](http://app.cultilene.com).



Scan the QR-code  
for how-to videos  
and white papers



Would you like more information  
about the **plugs**?  
Get in touch!

▶ **Saint-Gobain Cultilene B.V.**  
+31 (0)161 22 87 40  
[info.cultilene@saint-gobain.com](mailto:info.cultilene@saint-gobain.com)  
[www.cultilene.com](http://www.cultilene.com)

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