



Dry comfort

Stone wool propagation cube for professional vegetable growing

Product description

Cultilene Dry comfort is a stone wool cube made using a vertically oriented fibre structure. Dry comfort is a solid cube and a bit drier than the Pc cube. There is less chance of algae growth on the cube and therefore less attractive for sciarid flies. Dry comfort is also characterised by fast rooting, making the plant attach quickly to the substrate slab.

Product application

Cultilene Dry comfort cubes are used for growing vegetable crops under glass or plastic.

Guarantee

The guaranteed lifespan for vegetable growing is one crop if used under normal growing conditions.



Product characteristics

The Dry comfort cube is just one of the solutions from Cultilene for plant propagation. This controllable water buffer has the following characteristics:

Parameter	
Time required to sink	RHP Class 1 (< 25 sec)
Nominal water content – at drainage	90%
Nominal water content - pF1	55%
Control range *	40 – 50%

*Indication of average values in practice.

The RHP standard applies to the minimum values.

Technical details

Physical requirements

Parameter	
Organic matter	1,0 – 4,5%
Bulk density at delivery*	72 kg/ m ³
Relative compression (RC)	≤ 30% at 10 kPa
Recovery capacity	≥ 98% +/- 2% at 10 kPa
Pore volume	≥ 95%

* The specific weight of the base material is 72 kg / m³. Note: for the correct calculation of the density of the cube, the volume of the processed cube must be taken into account with regard to tolerances during processing. For specifications of tolerances we refer to RHP MOD 550.

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Chemical requirements

Parameter	Norms
EC	≤ 0,5 dS/m
pH in nutrient solution	5,5 – 7,0 If pH ≥ 7,0 determination of acid binding value
Acid binding value	If pH ≥ 7,0 determination of acid binding value Just before pulse 1: pH ≤ 7,5 and acid use ≤ 5,00 mmol hydrochloric acid/kg Just before pulse 10: pH ≤ 6,0 and acid use ≤ 0,50 mmol hydrochloric acid/kg

Substrate tolerances

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

Dimensions of cube	
Length	+ / - 2 mm
Width	+ / - 2 mm
Height	+ / - 2 mm
Plug and plant holes	
Diameter	+ / - 3 mm
Depth	+ / - 3 mm
Positioning	+ / - 5 mm
Grooves	
Depth 7 mm	+ / - 3 mm
Width 12 mm	+ / - 3 mm
Positioning	+ / - 5 mm

Standard product dimensions

The Dry comfort cube must always be combined with 7,5 cm high slabs.

The most commonly used dimensions for Dry comfort cubes are:

- 100 x 100 x 65 mm
- 150 x 100 x 65 mm
- 200 x 100 x 65 mm
- 100 x 100 x 75 mm
- 150 x 100 x 75 mm

Alternative sizes are available on request.

The Dry comfort cube is provided with plug and plant holes and grooves. After production and processing, the cubes are stacked on pallets and prepared for transport.

User instructions

Dry comfort cubes are delivered in standard packaging on standard pallets (1200 x 1000 mm). Different pallet sizes are available on request.

The pallets must be stored dry (indoors).

Pallets must be stacked no more than 4 high, and we would like to emphasise that the safety rules that apply to stacking pallets must be observed. Ensure the prevention of damage to the packaging material.

Initial wetting

In this phase, the cubes are completely saturated with water. This can be done in three different ways: on the production line before sowing or transplanting, with an ebb and flood system, or by watering with overhead sprinklers.

Handling

Lowering the cubes, and, at a later stage, separating them. The Dry comfort cube is suitable for moving at least twice. Make sure that the grooves under the Dry comfort cube are placed perpendicular to the gutter heading to the water source.

The target level for moisture content is between 50% and 90% of the volume.

Please refer to the Cultilene Framework for more information about the propagation and growing phases. This can be found by using the Cultilene Smart Root Zone Management App and at app.cultilene.com.



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Practical instructions

Dry comfort cubes can be delivered as individual cubes or on a strip.

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

Cultilene SAINT-GOBAIN	
PR20.33798-B3718-001	
Itemcode B3718	Dimensions (LxWxH) 100 X 100 X 65
Contents 2592 STUKS	
Productomschr.: Substraat van waterpenneerbare minerale wol Samenstelling: Minerale steenwol met toevoeging binders, versterking Eigenschappen: Bulkdichtheid voor aflevering: 72 kg/m ³ Porositeit: 97% Watergehalte bij uitpak: 0% Losgewicht bij uitpak: 2 vol % Aanslag op andere producten: Het is niet toegestaan te gebruiken voor andere doeleinden. Zie ook de "Practical instructions". Productiesite: Substrate from mineral wool Composition: Main constituent: Mineral Stone wool additive: binder, setting agent Properties: Bulk density prior to fill very: 72 kg/m ³ Porosity: 97% Moisture content by dry weight: 0% Absorption by drain: 2 vol % Safety instruction: Touch without danger, never use should be prevented. See also "Practical instructions for use".	Dry comfort blok folie Dry Comfort 1 gat 30/35 midden strip breedte groef Dry comfort Cube foil Dry Comfort 1 hole 30/35 middle strip groove width MADE IN THE NETHERLANDS Levensduur / longevity: 1 jaar / Annual RHP - K23901 Support de culture NFU 44551 - Origine EU

- Production order number (last three numbers are the pallet number)
- Article number / size of the cube / cubes per pallet
- Description of the cube
- Certificate RHP (independent product control)
- Product characteristics

Environmental, health and safety concerns

Environmental 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.

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 concerns

If needed, we can supply you with the General Safety Information Sheet for Stone Wool (SUIS).

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Certification

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

Questions or remarks?

For questions about Cultilene Dry comfort cubes, you can contact:

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