

RootmaXX

X-fibre technology for root development throughout the whole cube





Root development in the cube rather than under it

Cultilene RootmaXX is a stone wool propagation cube that is made with the **X-fibre technology**. This technology has been developed and refined by the Saint-Gobain Group. Instead of the usual horizontal or vertical fibre orientation, the fibres using this technique are orientated in all directions throughout the substrate. In this way, two advantages are combined: a rapid root development supplied by a vertically oriented fibre structure and a better root volume throughout the substrate supplied by a horizontally oriented fibre structure.



Characteristics RootmaXX cube

Reactivity

Control speed, controllability of the cube



Refreshment

Refreshment rate for water, nutrition and oxygen



Resaturation

Ease with which the cube can be resaturated with water



Rooting to substrate slab

Speed with which the plant attaches itself to the slab



Firmness

Mechanical processibility based on resistance to compression



Why choose Cultilene RootmaXX?

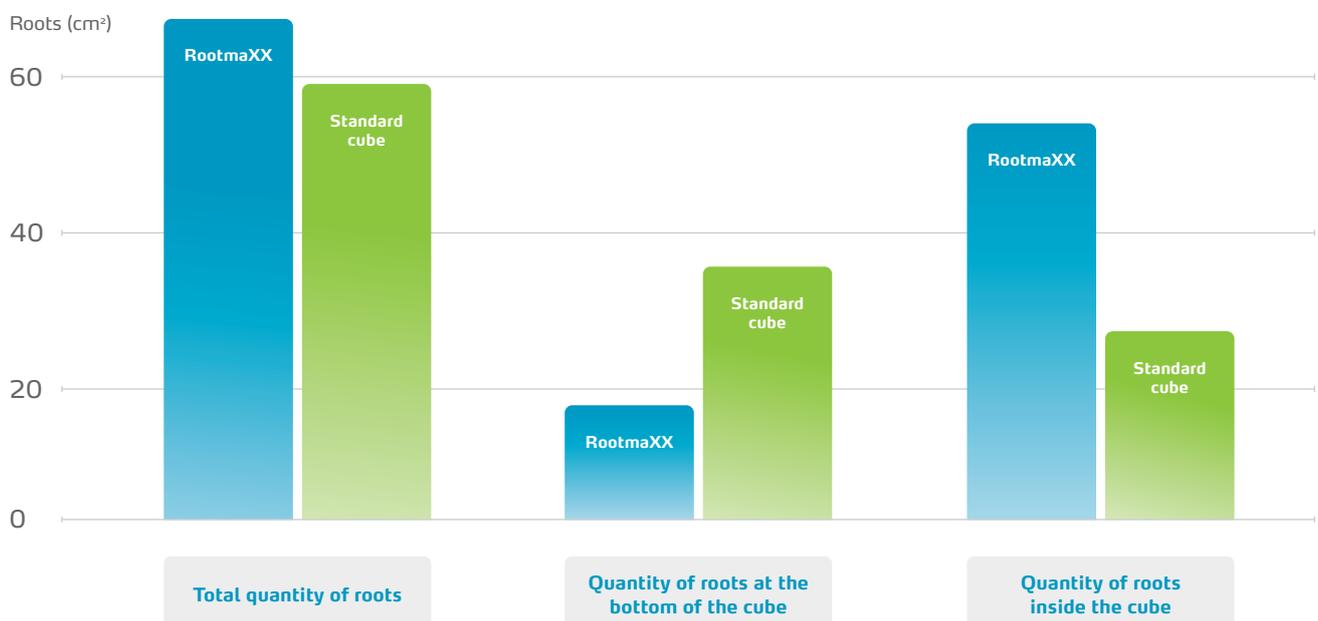
- ✓ 5% more roots
- ✓ Roots stay higher in the cube
- ✓ Uniform resaturation
- ✓ 20% less visible roots
- ✓ Less root damage
- ✓ Better refreshment of EC



Controlled management through even root development

Extensive research indicates time and time again that the total quantity of roots is higher than in current cubes. The quantity of roots under the cube is on average 20% lower, whereas the sides of the cube are covered with roots from top to bottom. Within the cube the root development is even, giving better control over plant balance and management.

Root distribution of tomatoes in stone wool cube



Smart Root Zone Management

"Cultilene Cares" which is why we have developed Smart Root Zone Management. This model is made of three pillars to continuously optimize your crop by focusing on the root zone. This also relates to "Plant Empowerment" which is to optimize production, minimize inputs and keep plants in balance. The three pillars are:



FRAMEWORK

is a detailed guide to get optimal use from your Cultilene substrate during your crop. Here you will find day to day advice for the whole season.



OUR PEOPLE

are professionals who would like to share their worldwide acquired knowledge to bring your production to a higher level.



CULTIWATCH

is the sensor platform that helps you monitor your root zone and make adjustments faster.



CONTROLLABLE WATER BUFFER WITH THE FOLLOWING CHARACTERISTICS:

PARAMETER	
Time required to sink	RHP Class 1 (< 25 sec)
Nominal water content – at drainage	90%
Nominal water content – pF1	65%
Control range*	40 - 55%

*Indication of average values in practice.

The RHP standard applies to the minimum values.

Curious about what the **RootmaXX cube** can do for you? Get in touch!

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