



# Cultiwool

## No.1. growing power

A homogeneous and reliable stone wool substrate to grow a healthy and vigorous crop. That is what Cultiwool stands for. The Cultiwool substrate is available in various types and sizes. It is distinguished by a powerful water-absorbing capacity, uniform water distribution in the substrate and better water flow under the substrate.

Cultiwool helps you and your plants grow. We do this by combining European quality, innovation and knowledge in a complete range. We focus on stone wool products of the highest quality with an eye for the smallest detail, but our strength lies in the collaboration with specialized partners in the field of technology and advice. Benefit from the flexibility and drive of a start-up in combination with the knowledge, skills and experience of a leader. All in one, together for your success.



### Uniformity

A homogeneous stone wool product is essential for unrestricted root growth. Cultiwool offers maximum uniformity to optimally control water and nutrient distribution.



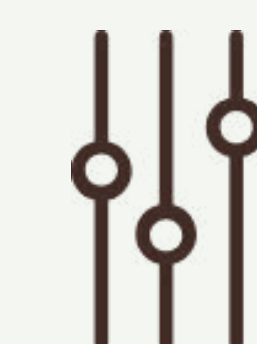
### Fast uptake of water

Reliable initial saturation is key to avoid dry spots in the substrate. Cultiwool substrates have a faster and easier water uptake due to the high capillarity of stone wool.



### Unique water distribution

As quality leader, Cultiwool has two unique features for the big blocks. The donut ring to improve water distribution and the cross grooves to improve the water flow under the block.



### Total control

Stone wool substrates provide full steerability to the grower. Water content, EC & pH can be very well controlled with Cultiwool substrates. Both in vegetative and generative crop phases.



# Starter plugs

**Cultiwools' high quality stone wool starter plugs are the best way to start your propagation. They provide the perfect microclimate for germination of seeds or fast root development of cuttings (clones), which is a decisive factor for a successful crop production.**

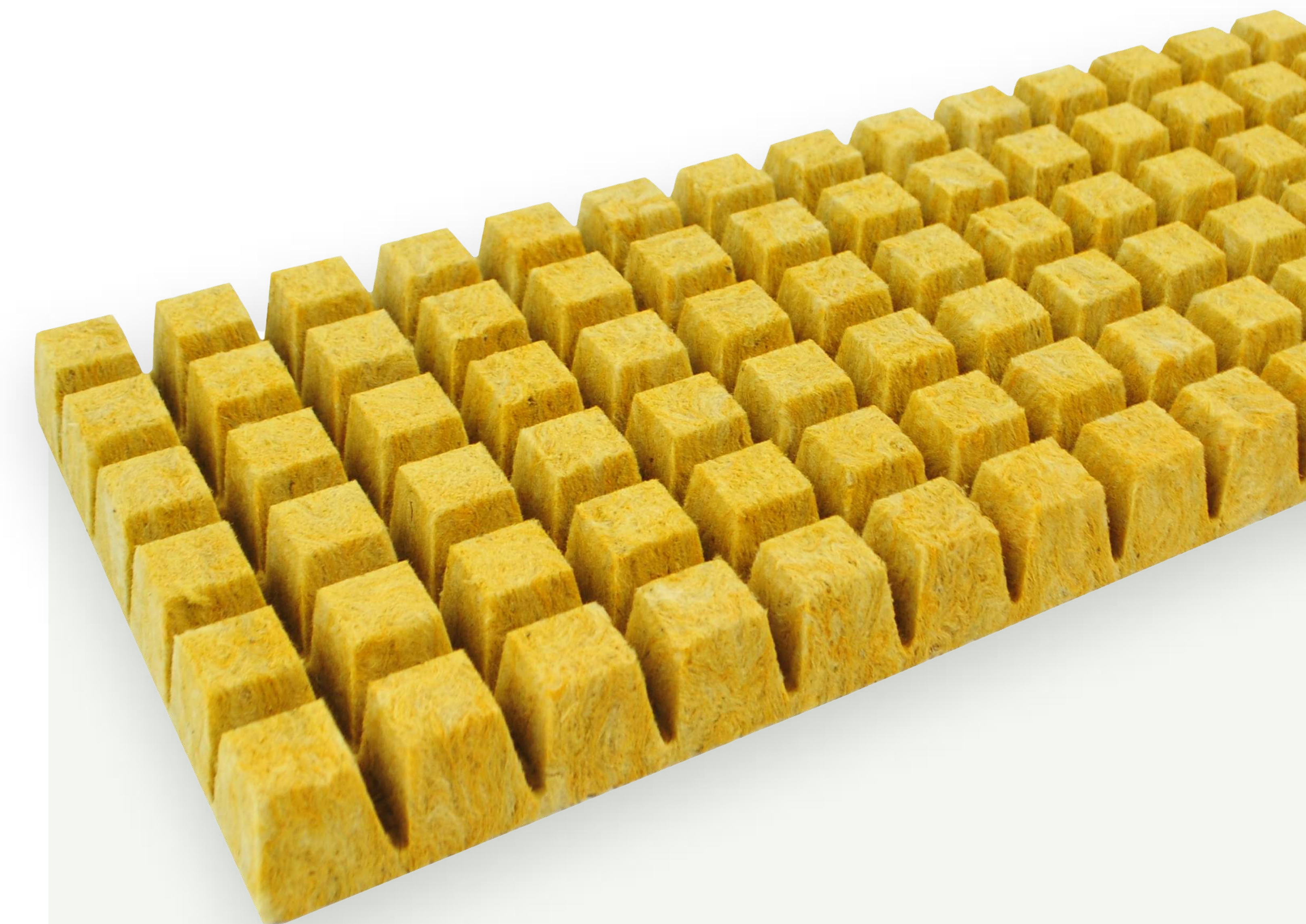
Cultiwool starter plugs are known for their uniformity and firmness, and are ideal for growing crops in a hydroponic system. Our high quality stone wool is a clean and inert product.

Therefore, it provides a sterile environment and does not contain any harmful bacteria or pollutants which can affect root- and shoot development. It does not lock up or release any substances, ensuring all water and nutrients are available to the plant.

Use the starter plugs for your start prior to transplanting into our larger growing blocks. Our starter plugs come in different dimensions and packaging units.

Product name	Dimensions (in)	Dimensions (mm)	Units per box	Boxes per pallet	Volume per unit
Cultiwool AT-Rooting Plug (25/40)	1 x 1 x 1.6	25 x 25 x 40	18x150*	24	0,025
Cultiwool AO-Rooting Plug (25/40)	1 x 1 x 1.6	25 x 25 x 40	25x160**	24	0,025
Cultiwool A-Rooting Plug (36/40)	1.4 x 1.4 x 1.6	36 x 36 x 40	8x77*	15	0,052
Cultiwool AL-Rooting Plug (36/40)	1.4 x 1.4 x 1.6	36 x 36 x 40	2165	15	0,052
Cultiwool AO-Rooting Plug (36/40)	1.4 x 1.4 x 1.6	36 x 36 x 40	25x84**	15	0,052
Cultiwool Mini-Block (40/40)	1.6 x 1.6 x 1.6	40 x 40 x 40	2250	20	0,064
Cultiwool Mini-Block (50/50)	2.0 x 2.0 x 2.0	50 x 50 x 50	1152	20	0,125

\* Tray, \*\* Sheet





# Growing blocks

Cultiwools' growing blocks are unique in the most efficient way. That has everything to do with the consistency of our products. Quick and easy uptake and homogeneous distribution of water throughout the substrate are one of the most important features of a growing medium.

Not only can you expect the highest quality stone wool in the market, but Cultiwool is also the first to introduce the 'donut ring' for the retail market to even further improve water distribution. This is in addition to the highly appreciated cross grooves to ensure free water flow under the block and the black/white foil to prevent algae growth.

Product name	Dimensions (in)	Dimensions (mm)	Units per box	Boxes per pallet	Volume per unit
Cultiwool 332	3 x 3 x 2.5	75 x 75 x 65	480	15	0,37
Cultiwool 333	3 x 3 x 3	75 x 75 x 75	400	15	0,42
Cultiwool 442	4 x 4 x 2.5	100 x 100 x 65	216	20	0,65
Cultiwool 444	4 x 4 x 4	100 x 100 x 100	144	20	0,98
Cultiwool 664	6 x 6 x 4	150 x 150 x 98	64	20	2,21
Cultiwool 666	6 x 6 x 6	150 x 150 x 142	48	16	3,20
Cultiwool 666 unbox	6 x 6 x 6	150 x 150 x 142	448	n/a	3,20





# Growing slabs

**Cultiwools' stone wool growing slabs provide the final stage for growing crops. With the different dimensions and the possibilities of different plant holes pre-cut in the slabs, we have a solution for almost every growing system and required substrate volume per crop.**

Cultiwool slabs come standard with a vertical fibre orientation but on request we can also deliver a horizontal fibre. Our stone wool slabs are used worldwide by professional cultivators. It allows them to grow top quality produce with fewer inputs. The basis of a successful crop is a substrate with a superb and consistent homogeneity.

Product name	Dimensions (in)	Dimensions (cm)	Units per pack	Packs per pallet	Volume per unit
Cultiwool Mini-slab	10 x 8 x 3	25 x 20 x 7.5	36	20	3,75
Cultiwool Slab 90/15/7.5	36 x 6 x 3	90 x 15 x 7.5	16	16	10,13
Cultiwool Slab 90/20/7.5	36 x 8 x 3	90 x 20 x 7.5	12	16	13,50
Cultiwool Slab 100/15/7.5	40 x 6 x 3	100 x 15 x 7.5	16	16	11,25
Cultiwool Slab 100/20/7.5	40 x 8 x 3	100 x 20 x 7.5	12	16	15,00





# Wetting instructions

To unlock the full potential of our stone wool the initial saturation should be done correctly. Avoid dry spots as it might result in less uniform plant growth and thus lower quality and yield.

The stone wool should be soaked in a nutrient solution with EC of 1.5 to 2.5 mS/cm and a pH of 5.5 to 5.8. Saturation can be done by submerging, using a hose, or by an automated watering line. With submerging allow it to sink into the solution in its upright form, without being stacked upon each other. The saturation period depends on the product and varies between a few seconds for plugs to a minute for blocks.

It is essential to monitor that the saturation is done correctly. This can be done quickly by weighing the stone wool products after saturation. With the help of the table below you can check if you have reached the minimum saturation weight.

Product name	Dimensions (mm)	Volume in liters	Minimum weight (g)	Range (g)
AO rooting-plug	36 x 36 x 40	-	42	42-45
AO Plug sheet (84 plugs)	-	-	3500	3500-3700
Cultiwool 332	75 x 75 x 65	0.37	340	345-360
Cultiwool 442	100 x 100 x 65	0.65	560	565-590
Cultiwool 444	100 x 100 x 100	0.98	860	870-930
Cultiwool 664	150 x 150 x 98	2.21	2000	2000-2200
Cultiwool 666 unbox	150 x 150 x 142	3.20	2800	2900-3000





# Want to know the possibilities for your growing power?

## Cultiwool

- ✓ Homogeneous and highly reliable substrates
- ✓ Years of experience in transformation
- ✓ Faster and easier uptake of water (RHP Category 1)
- ✓ Partnership with leading stone wool producer
- ✓ Maximum control of water, EC and pH
- ✓ Certified by RHP, EURIMA, ISO 9001 and ISO 14001
- ✓ Quality substrates at competitive prices
- ✓ Produced in Europe, directly shipped worldwide

Please contact us if you have any questions or requests.

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