Sustainability

Sustainability plays a prominent role, from the manufacture of stone wool substrates to end-of-life solutions. Grodan is founded in 1969 and is active in more than sixty countries worldwide. The head office is located in Roermond, the Netherlands.

Passionate about Precision Growing

All our growing media solutions are aimed at doing more with less, with respect for people and the planet. Or, as we call it: “Precision Growing”. It is the most efficient and effective form of growing, focused on using the minimum of input materials to generate maximum output. By applying Precision Growing techniques, less water, nutrients, crop protection products, energy and land are used. Growing costs decrease, crop yield and quality increase. In addition, this form of growing actively contributes to sustainable horticulture by enabling the sustainable production of healthy, safe and tasty fresh produce for consumers.

Grodan in brief

We supply innovative and sustainable stone wool growing media solutions for the professional horticultural sector, based on Precision Growing principles. These solutions are, amongst others, applied for the cultivation of vegetables and flowers, such as tomatoes, cucumbers, sweet peppers, egg plants, roses and gerberas. Stone wool substrates are offered together with tailor-made advice and tools to support Precision Growing and thus facilitate the sustainable production of healthy, safe and tasty fresh produce for consumers.

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Grodan for a sustainable future

Sustainability plays a prominent role within Grodan and can be seen in every stage of our growing media solutions, from production through to the recycling of our stone wool. We pursue a durable way of doing business, in which economic, social and environmental interests are in balance.
Stone wool manufacturing

The manufacturing of our products is certified according to ISO 14001 standards. This certification is focused on the control of environmental impact, reduction of environmental risks and continual improvement of environmental performance. Liquid basalt is spun into threads in spinning chambers and then compressed into solid form in a hardening kiln. The new stone wool is then cut into slabs, blocks or plugs.

Benefits of stone wool for the professional grower

Stone wool enables recirculation of water and nutrients, so there is no waste of input materials. Plants grow easily and well on this growing medium. The plant has all the room to root in and develop optimally in this airy growing environment. All the water and nutrients administered to the plant are available to the plant. Stone wool substrate does not lock up or release any substances, enabling the grower to apply precisely the right amount of water and fertilizer and thus optimise the growing result.

1m³ rock to 1 million cucumbers to 8m³ brick

One cubic metre of basalt produces fifty cubic metres of stone wool, sufficient for the cultivation of 350,000 kg of tomatoes or 1 million cucumbers. The recycling of used substrate slabs, blocks and plugs is facilitated by Grodan. The recycled material is processed to create new stone wool products or it is used as raw material for the production of bricks, cement, potting compost, or soil improvers.

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ROCKWOOL Group

Grodan is part of the ROCKWOOL Group and is offering advanced stone wool growing media solutions for horticulture.

At the ROCKWOOL Group, we are committed to enriching the lives of everyone who comes into contact with our solutions. Our expertise is perfectly suited to tackling many of today’s biggest sustainability and development challenges, from energy consumption and noise pollution to fire resilience, water scarcity and flooding. Our range of products reflects the diversity of the world’s needs, while supporting our stakeholders in reducing their own carbon footprint.

Stone wool is a versatile material and forms the basis of all our businesses. With approx. 10,500 passionate colleagues in 38 countries, we are the world leader in stone wool solutions, from building insulation to acoustic ceilings, external cladding systems to horticultural solutions, engineered fibres for industrial use to insulation for the process industry and marine & offshore.