

 **FRF** ROCKGRO

SOLUTIONS

FOR SOIL-LESS CULTIVATION



FRF RockGro

FRF presents sustainable water-conserving mineral wool as the innovative accessible soil-alternative for all hydroponic solutions. Grow any vegetables, fruits, leafy greens, and flowers in an efficient process with FRF ROCKGRO.

MADE IN THE
EMIRATES



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WHAT IS FRF ROCKGRO MEDIUM
FOR HYDROPONICS?



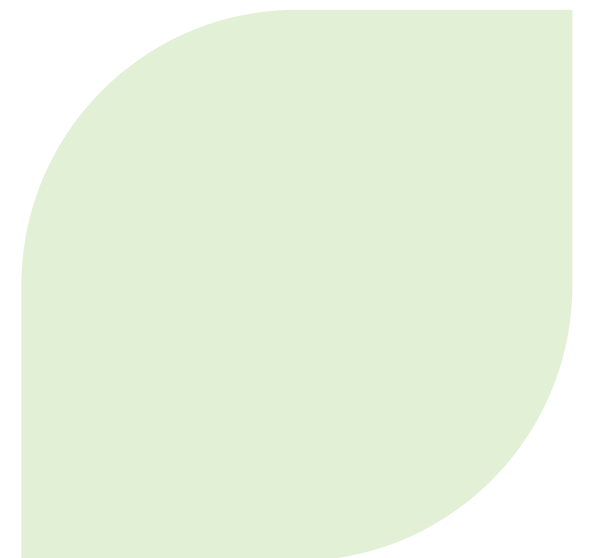
A FULL-FLEDGED
HYDROPONICS LAB



MEASUREMENTS



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WHAT IS FRF ROCKGRO MEDIUM FOR HYDROPONICS?

Growing mediums are produced by spinning fibers from melted basaltic rock. These fibers are then cut into a variety of shapes and sizes to meet the diverse needs of hydroponic growers.

The durability and compatibility of FRF ROCKGRO products with various hydroponic systems make them an ideal medium for all hydroponic farming

WHY ROCK WOOL FROM FRF?



Safety. ROCKGRO has proven zero toxicity and contains no harmful chemicals, making it a safe and reliable rooting medium for plants. Its chemical-free composition ensures no risk to plant health or the environment, offering peace of mind for growers who prioritize safety and sustainability.



Easy to Use and Cost-Effective. It is lightweight, convenient, and easy to use. Available in various shapes and sizes, it supports plant development at every growth stage. Highly economical compared to other mediums, it allows growers to ensure uniform crop development even with basic irrigation systems.



Ideal Medium. ROCKGRO in nutrient solution has a pH of 5.5 to 6.5 and high porosity, making it an ideal substrate material. The capillary design of ROCKGRO efficiently traps oxygen molecules, leading to ideal levels of dissolved oxygen, which in turn promotes healthy roots and enhances the overall growth of plants.



Sterile Medium. Because mineral wool is inorganic, it is resistant to rot, free from seeds, and devoid of pathogens and vermin. These properties significantly reduce the risk of disease exposure for crops. Its sterile nature ensures a healthier growing environment, promoting robust plant development and minimizing potential health threats.



Water Retention and Absorption. The medium ensures uniform water distribution, help the plants to achieve adequate hydration while promoting air circulation and root oxygenation. This property allows for the efficient use of water and nutrients. The medium ensures uniform water distribution, help the plants to achieve adequate hydration while promoting air circulation and root oxygenation. This property allows for the efficient use of water and nutrients.

A FULL-FLEDGED HYDROPONICS LAB

FRF operates an end-to-end Hydroponics lab where we innovate with our own products, pushing the boundaries of hydroponic technology. Our research and development efforts aim to enhance various aspects of hydroponic cultivation, pioneering new methods and solutions for the industry. Simultaneously, our dedicated Quality Control Team ensures the consistency and excellence of our products by rigorously monitoring every stage of production.

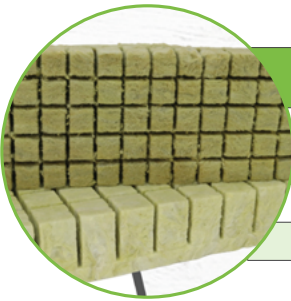
By integrating innovation and quality control, FRF aims to lead in hydroponic technology and product development. We strive to empower growers with the tools, resources, and knowledge needed for success in the dynamic world of hydroponic agriculture, continually pushing the boundaries of what is possible while maintaining unwavering commitment to excellence.

KEY TECHNICAL INFORMATION

Time required to sink	< 20 sec
Water Absorption	Completely absorbs water
Nominal water content	85% Min
Porosity	High porosity
Recovery capacity	95% Min
pH in nutrient solution	5.5 pH to 6.5 pH
Toxicity	Nil
Dissociate hydroxy benezene (as phenol)	0.1 ppm max
Dissociate aldehyde (as formaldehyde)	0.018 ppm max

MEASUREMENTS

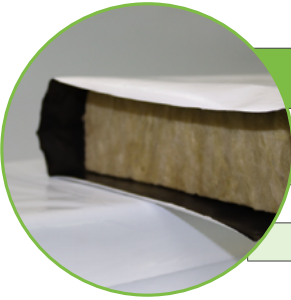
FRF ROCKGRO represents the future of food sustainability, and FRF Rockgro offers customized sizes and shapes to meet your specific requirements.



FRF ROCKGRO STARTER CUBES	
FRF ROCKGRO STARTER 200	20 x 20 x 43 mm
FRF ROCKGRO STARTER 9863	30 x 30 x 63 mm
FRF ROCKGRO STARTER 9840	30 x 30 x 40 mm
FRF ROCKGRO STARTER 056	40 x 40 x 65 mm



FRF ROCKGRO STARTER PLUGS	
FRF ROCKGRO STARTER 012	DIA x 60 mm
FRF ROCKGRO STARTER 022	DIA x 60 mm
FRF ROCKGRO STARTER 044	DIA x 60 mm



FRF ROCKGRO SLAB	
FRF ROCKGRO SLAB 90	1000*200*90 mm
FRF ROCKGRO SLAB 70	1000*200*70 mm
FRF ROCKGRO SLAB 150	1000*200*150 mm
FRF ROCKGRO SLAB 200	1000*200*200 mm



FRF ROCKGRO BLOCKS	
FRF ROCKGRO TOP-BLOCK 65	75X75X65 mm - HOLE: 30 mm
FRF ROCKGRO TOP-BLOCK 70	100X100X70 mm - HOLE: 40mm

Based on the grower's requirement, we also customize products and carry a range of FRF ROCKGRO Mini Slabs (70X40X20 MM) and FRF ROCKGRO Rock Wool Mats (500X250X7 MM) for ease of use.

OUR BUSINESS PARTNERS

KSA Business Partner



UAE Business Partner



LET'S TALK!

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As the preferred manufacturer and supplier of class A1 Rock Wool products in the MENA region, we specialize in fire, thermal, and sound insulation solutions. With a legacy dating back to 1982, Fujairah RockWool Factory (FRF) pioneered Rock Wool insulation manufacturing in the GCC region, starting with a modest 5000 metric ton factory. Since then, we have experienced consistent growth, expanding our operations to become the leading manufacturer of Rock Wool insulation products across the MENA region.

Now, our focus extends beyond insulation as we direct our innovation team towards hydroponics. Leveraging our expertise and experience, we aim to bring the same level of excellence and quality to hydroponic solutions, contributing to sustainable agriculture practices and the future of food production.

www.frf.ae



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