



WaterGrip™ for Green Walls

Living Walls/Bio Walls/Vertical Gardens/Urban Gardening —

WaterGrip is a patented, breakthrough growing media designed to grow quality plants while conserving precious water resources - perfect for all vertical applications:

- WaterGrip - A stabilized, sponge-like media which provides roots with a ready supply of air, nutrients, and most importantly, water

Root respiration occurs even when media is fully saturated

- WaterGrip - Able to hold up to 8x its weight in water for enhanced water management and reduced overall water use

Holds 10.5 lbs. of water per sq. ft. at maximum Water Holding Capacity

- WaterGrip - Macro/micro pores provide a reservoir, supplying water and oxygen to plants as needed.

WaterGrip - simply growing more, with less

WaterGrip allows you to enjoy lush vertical plantings with less water, labor and maintenance.

- WaterGrip is a stabilized growing media that supplies the plant with the perfect ratio of water and oxygen to grow a healthy, well-rooted plant
- The brownie will not disintegrate or wash out as does the loose media presently used
- The stainless steel modules are very easy to install or retrofit
- All brownies are pre-planted, well-rooted, and fully grown to give instant gratification
- WaterGrip has superior capillary action to allow even water distribution
- The irrigation system has remote sensors to constantly monitor the moisture in the brownies

Benefits of a WaterGrip Wall

- Reduces energy consumption
- Improves air quality, reducing dirt particles and carbon
- Releases water vapor, increasing humidity and moisture - evaporation cools the air
- Supplies oxygen to the atmosphere and reduces noise
- Improves the aesthetics of the area



WaterGrip Wall Brownie
12" x 24" x 3"

WaterGrip™ Wall Brownie Specifications



WaterGrip Green Wall Brownie

This Water Grip Growing Media product is ideally suited for Green Wall and Living Wall applications.

WaterGrip has developed a sustainable growing media that combines traditional organic mix ingredients with proprietary ingredients to create a lightweight, media. The sponge-like media has a stabilized macro/micro pore structure with excellent capillary action, unparalleled water, air and nutrient holding capacity, and a superior cation exchange capacity. WaterGrip retains its porosity over time, does not breakdown upon saturation. The media contains intellectual properties to protect and promote healthy root and plant development.

WaterGrip Wall Brownie provides the perfect foundation for lush vertical plantings.



Physical measurements per Wall Brownie

Length x Width x Depth	12 x 24 x 3	in.
Cubic Dimensions	864	cu.in.
Cubic Dimensions	0.5	cu.ft.
Area Dimensions	288	sq.in.
Area Dimensions	2	sq.ft.
Weight - dry*	3.4 - 3.8	lbs.
Weight - drained*	16.62	lbs.
Weight - at max. water holding capacity (WHC)*	18.2 - 23.6	lbs.
Water held at drained WHC*	12.82 - 13.22	lbs.
Water held at max. WHC*	20.92	lbs.
Water held at drained WHC*	1.6 - 2.26	gal.
Water held at max. WHC*	2.2 - 2.82	gal.
Equivalent inches of rainfall held at drained WHC*	2.57 - 3.63	in.
Equivalent inches of rainfall held at max WHC*	3.52 - 4.54	in.

Physical measurements per Square Foot

Weight - dry	1.7 - 1.9	lbs.
Weight - drained	8.31	lbs.
Weight - at max. WHC	9.1 - 11.8	lbs.
Water held at max. WHC	7.4 - 9.9	lbs.
Water held at max. WHC	1.1 - 1.41	gal.
Equivalent inches of rainfall held at max. WHC	1.76 - 2.27	in.

Density measurements per Cubic Foot

Bulk density - dry weight basis	6.8 - 7.6	lbs.
Bulk density - drained weight basis	33.24	lbs.
Bulk density - at max. WHC	36.4 - 47.2	lbs.

Water measurements

Percent water held at drained WHC*	518% - 600%	vol. %
Percent water held at max. WHC*	581% - 799%	vol. %

pH

pH	6.2	
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Electrical Conductivity

EC	1.1	mS/m
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Cation-Exchange Capacity

CEC	3.4	
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* per testing by Umass Center for Agriculture

