

Rockflow® FloraSponge

Stone wool elements for rainwater
retention for vegetation in urban areas

Rethink urban water



Product description

Rockflow FloraSponge is a hydrophilic stone wool element with a free volume of 95% for the storage and re-use of water in urban greenery.

Application

Rockflow FloraSponge is a versatile rain water management component for urban green systems, enhancing both stormwater management and vegetation health.

Product advantages

Rockflow FloraSponge is an innovative stone wool solution that retains rainwater exactly where your plants need it. The product acts as a natural reservoir for rainwater which becomes automatically available to the plants water to the plants when they need it. With a high water buffer volume and it's capillary properties, Rockflow FloraSponge effectively takes up and retains rain water and gradually releases it to the root zone of plants when the soil dries up. With improved water supply, plants grow better, flower for longer and can withstand drought for longer without additional irrigation.

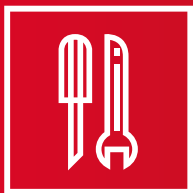
- High water absorption capacity of up to 95% of the stone wool volume
- Improves plant health & biodiversity by providing a stable water supply
- Saves cost on plant irrigation
- Passive system; improved irrigation of vegetation using naturally available rain water. No electrical or mechanical components.
- Application flexibility: The material is applicable into virtually any green space concept, from mobile planters to permanent plant beds
- High proportion of recycled stone wool
- All Rockflow stone wool products are bio soluble (EUCEB)

Technical information¹

Type	Property	Unit	Typical value
Physical	Dimensions	mm	1000x1200x100
	Density	kg/m ³	160
	Weight	kg/m ²	16
	Pore volume	%	95
Mechanical	Compression strength (F10%)	kPa	80
Water	Maximum water capacity (MWC)	L/m ²	95
	Weight saturated	kg/m ²	111
Packaging	Amount	elements/pallet	12
	Amount	m ² /pallet	14.4
	Storage conditions	—	Indoors, dry and in original packaging

1. Typical value.





Support

Our specialists can provide you with advice on building regulations, calculations, design, product applications, installation and current topics such as circularity. Our technical specialists are happy to think along at an early stage to find an optimal water management solution for your project.

rain.rockwool.com

rain@rockwool.com

Visiting address

ROCKWOOL Rainwater Systems

Delfstoffenweg 2
6045 JH Roermond
The Netherlands

Postal address

ROCKWOOL Rainwater Systems

Postbus 1160
6040 KD Roermond
The Netherlands

Tel: +31 4 75 35 35 55

Email: rain@rockwool.com
rain.rockwool.com

ROCKWOOL Group is the world leader in stone wool products, 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. We are committed to enriching the lives of everyone who experiences our products and services, and to helping customers and communities tackle many of today's biggest sustainability and development challenges including energy consumption, noise pollution, fire resilience, water scarcity, urban flooding and more.