

Aquaten

Water Absorption Fabric

Aquaten Green can be combined or retrofitted to any green roof system or bio-diverse habitat to provide a passive irrigation and water attenuation system that reduces storm water flow, provides SuDs compliance, and extends plant available water during drought periods.

The patented properties of the Aquaten technologies found in Aquaten Green can absorb over 4 litres of water per square meter per layer. This water is available to the plants and offers 59% more 'plant available water' after five weeks.

This passive irrigation extends the viability of your green roof investments through our increasingly frequent drought periods. A healthy and vibrant green roof with Aquaten Green is able to restrict water flow during times of heavy rain.

The absorbent properties not only provide water attenuation and flow restriction as part of SuDs regulations, but also help to maintain the structure and composition of your habitat during heavy rain periods.

Features:

Weight	115 g/sq. m
Thickness	1.2 mm
SAF Content	40%
Lamination	PES Weave
Roll Size	1.6m x 125m
Roll Weight	41.4 kg
SAF Absorbancy	33 g/g
Absorbancy	3800-4200 g/m ²

Uses

Less Substrate: Providing installers with lower product and labour costs during installation.

Easy to install: The cloth-like membrane is ordered by the square metre and can be cut on site and is rolled out between substrate layers.

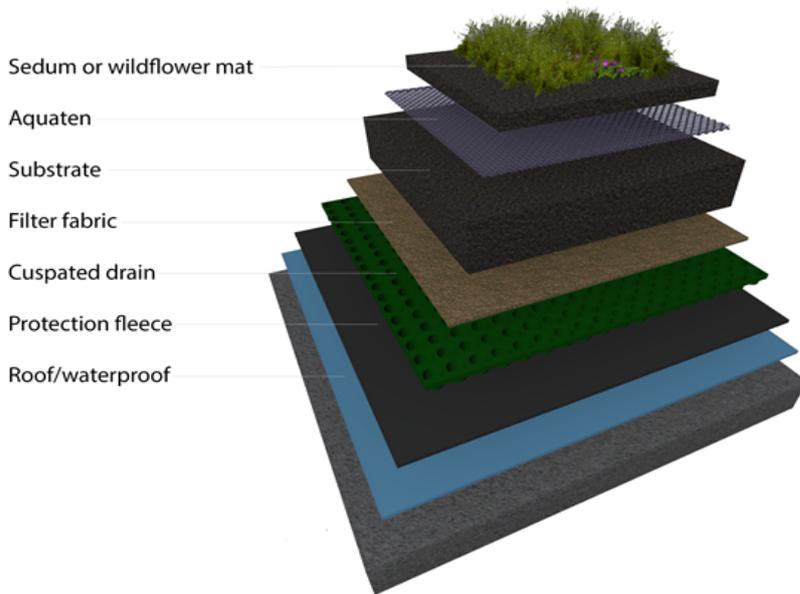
No expensive custom irrigation: Helping green roofs survive without an expensive costly and non-environmental irrigation system and also improving the economic viability of green infrastructure projects is the motivation behind Aquaten Green.

Lightweight: The ability to reduce substrate by 25%, significantly reduces the weight of the roof and can open up new opportunities for retrofit green roofs.

Built in Water Attenuation Properties: The highly absorbent Aquaten Green holds 4 litres per sq. meter. Helping roofs be SuDs compliant and significantly reducing storm water runoff.

Flexible: Aquaten Green can be cut to size and used on pitched roofs or green wall installations to support plant growth.

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Wildflower seed – London Bio-diversity Action Plan species included in the mix to provide year round pollen / nectar for Hymenoptera and Lepidoptera

Aquaten – A super absorbent blanket designed to significantly increase the attenuation value of the green roof which plays a vital role in reducing urban flooding. Absorbing and locking 200X its own weight in water, Aquaten also provides a valuable reservoir to prolong and increase vitality of vegetation

Substrate – A specific blend of mineral aggregate and organic material to provide a lightweight root zone with some water retention function that will support wildflower growth. Laid in an undulated format to provide thicker and thinner growing zones to help increase biodiversity

Filter fabric and drain – Allows excess rainfall to drain through the system maintaining aerobic soil conditions and helps rootlets gather nutrient etc. from the substrate

Protection fleece – Helps protect the waterproof membrane during installation



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