

SuDSPlanter case study

Project: Wiltshire Residential Property

Location: Bradford-on-Avon

Client: SuDSPlanter Ltd

Date: Aug 2017



SuDSPlanter has retro-fitted to the rear of a 4 bedroom detached residential property in Wiltshire.

The SuDSPlanter was positioned to the rear of the property to handle a large proportion of the roof rainwater draining from 2 separate roof pitches. This allowed the system, including the growing/filter media, to be monitored and observed to assess performance.

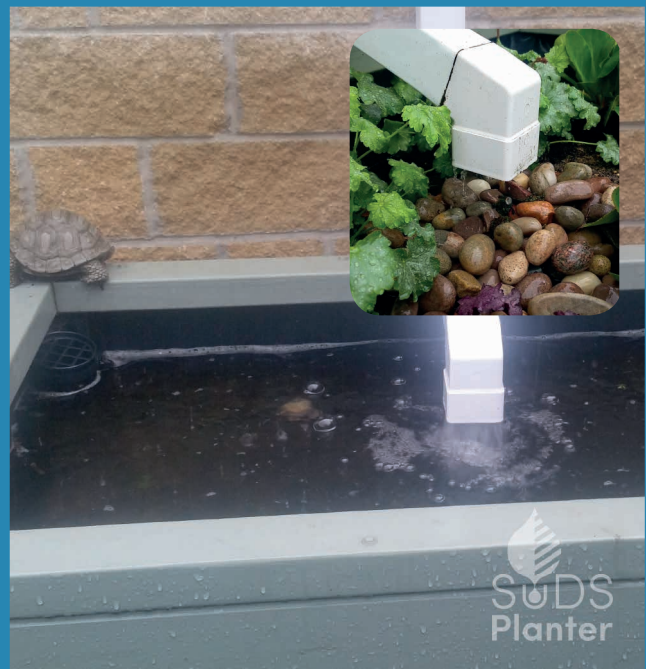
Various outlet configurations have been monitored for over a year resulting in a range of useful observations and data on the hydraulic performance of the SuDSPlanter. A weather station providing real time rainfall and environmental data was also installed with the planter to provide rainfall input data to tie in with the collection of outlet and performance data.

It was demonstrated that during the year to the end of August 2018 it was possible to prevent the rainwater from all but three of the rainfall events from entering the surface water drainage system. These three events were also well attenuated, slowing and reducing the flow out of the SuDSPlanter during the storm events.

The SuDSPlanter also survived the summer 'drought' period without requiring further irrigation during almost two months of no rain and unusually hot weather.



P.1. The SuDSPlanter in full flourish post summer's 2018 drought. A mix of soil media, water retention and suitable plant selections allow the plants to flourish in all climates.



P.2. One of the many rainfall events monitored pre and post planting, recording the SuDSPlanters performance over the past 12 months.

