

SuDSPlanter case study

Project: Mabe School, Cornwall

Location: Cornwall

Client: Mace group

Date: Aug 2018



SuDSPlanter supplied and installed two recycled plastic units as part of a new classroom extension to Mabe School in Cornwall. Mabe School is part of the The Learning Academy Trust (TLAT) situated on the coast of south Cornwall. The client requested a low maintenance solution with education opportunities.

In order to meet the increasing demand for local school places two extra classrooms were installed to the front of the main building in August 2018. The two SuDSPlanters were installed in opposite corners of the new extension building with downpipes discharging onto the surface of the growing/filter media using the dissipation pebbles to prevent any scouring of the media during storm events.

The lower, controlled outlet pipe restricts flow to mobilise the storage volume in the system, and slow flow to the nearby drainage channel. The high-level overflow outlet which only discharges during very extreme events when the storage/attenuation volume of the SuDSPlanter is exceeded.

The Recycled plastic SuDSPlanters are manufactured using 100% recycled post-consumer waste plastic lumber or wood providing an excellent way to reduce waste plastic entering and contaminating the environment.



P.1. SuDSPlanter down pipe disconnect drains straight into the surface water sewer cleaning roof water runoff and slowing the flow.



P.2. Recycled SuDSPlanters are made using a frame system to give structural integrity, with discreet fixtures and fitting designed to minimise risk of injury and weathering.

