

Location:

Car Park,
Cribbs Causeway,
Gloucestershire

Client:

B&Q Plc

Project:

B&Q Car Park



Contractor:

Smiths of Gloucester



It was identified that a system was required that would take polluted water run-off away from the surface car park, treat it and then discharge it into the local River Trym in South Gloucester. We were able to offer our D-Rainclean system as an economical alternative to the proposed design concept.

The initial design concept was a porous paving system with a permeable asphalt surface to collect the polluted water and divert it through a petrol interceptor. However, the Environment Agency had concerns regarding the final destination of the water – the local river – so needed a system which removes the highest possible amount of contaminants from the surface water run-off to avoid any possible pollution to the river.

By using the D-Rainclean system the client was shown a saving as they could use conventional tarmac over the entire car park which is easier and more cost effective to construct. Contaminated surface water run-off is able to drain into the filter media within the D-Rainclean system to be treated before discharging into the River Trym. This removed the need for an expensive Petrol Interceptor or any electrical hook up and provides low maintenance on site.



In the B & Q store car park 448 linear metres of D-Rainclean was installed in March 2006 and the specially developed filter media was given an expected life of 15 years.

After being installed for 6 years, the system was visually inspected and was thought to have another 12 years of performance left before the filter media will need to be replaced.

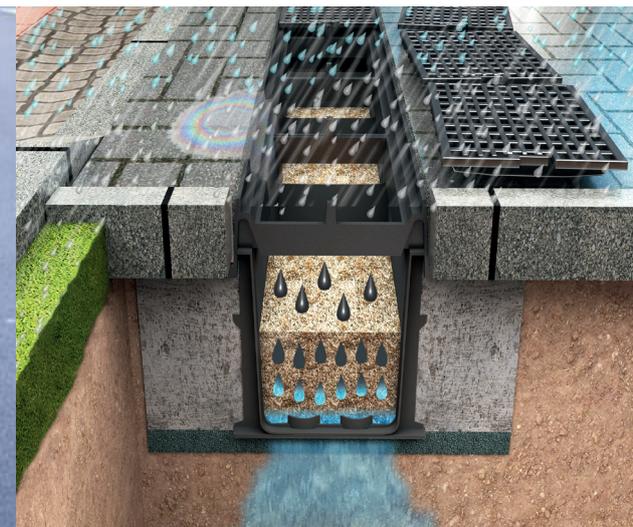
The Benefits of using the D-Rainclean system are:

Cost effective car park construction

Contaminated water is treated at source

Removal from design of expensive inefficient petrol inercptors

The filter media has an expected life of over 15 years.



Stormwater Management

Fleming Road
Harrowbrook Ind. Est
Hinckley
LE10 3DU
Tel. 01455 502222
sales@storm-water.co.uk
www.storm-water.co.uk