

Project Profile

Objective

Demonstration of commitment to sustainable practices in construction of the Forestry Commission's new Environmental Classroom Block for the Forestry Commission

Solution

3300 litre capacity StormBank® rainwater harvesting system to enable reuse of collected rainwater for use in staff and students' toilets.



www.savetherain.info

Product Profile

- For Domestic, Commercial and Garden applications.
- Potential savings on mains water use up to 50%.
- Rapid installation, typically with no need for concrete backfilling.
- Integral stainless steel filter for minimal maintenance.
- Not just for grassed areas and flowerbeds - suitable for installation under lightly trafficked driveways.
- Connects to Stormbloc® for easy soakaway construction.

Forestry Commission Practises what it Teaches with Hydro's StormBank®

Officially opened by HRH the Princess Royal, the Forestry Commission's newly-built environmental classrooms in Staffordshire are using rainwater recycling equipment from Hydro International for toilet flushing to save on mains water usage.



The Birches Valley Forest Centre in Cannock Chase is leading by example with a range of green building features including Hydro International's StormBank® rainwater harvesting system, which collects rain from a living sedum roof and stores it for reuse in staff and students' toilets.

"We see our commitment to sustainable practises as a key factor in educating the public and rainwater harvesting is an important example," comments FC Project Manager Brian Kedwood. "The StormBank® collects water from the sedum covered roof of the classroom block. This supplies a steady flow of rainwater for toilets, instead of precious mains drinking water."

The new 347 m² environmental classroom block is constructed from renewable timber sources and has 2 classrooms accommodating 60 students in each plus a lobby with display space, staff offices and toilets. The building is carried on stilts to minimise requirements for foundation construction.

A 3300 litre capacity Hydro StormBank® rainwater harvesting system is installed underground in the courtyard of the Environmental Classroom Block. "StormBank® was competitive in cost compared to other equipment," commented installer Jim Dean of Jim Dean Contracting. "It is also very easy to install, as the very strong tank needs minimal foundations for reinforcement."

"It's great to see organisations like the Forestry Commission endorsing the need for rainwater harvesting," comments Alex Stephenson, Hydro's Stormwater Director. "That's why the Save the Rain™ campaign was established, to increase awareness of the benefits of saving water and in particular recycling rainwater. The website www.savetherain.info acts as a central point of information for anyone wanting to know more about rainwater harvesting."

turning water around ...®

This information is for guidance only and not intended to form part of a contract. Hydro International pursues a policy of continual development and reserves the right to amend specifications without prior notice. Equipment is patented in countries throughout the world.



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