

## POULTON LE FYLDE

Andy & Claire live in the northwest of England and following the announcement of a hose-pipe ban in July 2010 they decided it was time to install a rainwater harvesting system. At that time, they were undertaking some conversion works on their property which included the installation of a new patio area and luckily for Andy he remembered the Skeletank® system from his visit to the Ecobuild exhibition in March 2010.

Andy remembered that the Skeletank® rainwater harvesting system can be installed directly below a patio or driveway and since they were having a new patio anyway, he thought it was a good opportunity to kill two birds with one stone and minimise any disruption.

Luckily for Andy and Claire because of the new patio works the actual costs of installing the Skeletank® system were virtually zero. The system that was installed provided a 5400 litre capacity and pumped the rainwater into a header tank in the roof space. The mains backup was installed to this header tank. No need for deep excavations or concrete backfill here as the rainwater storage units were installed within 500mm of the finished ground level with the finished patio laid directly on the storage units.

Below is a selection of photos which show the stages and elements of a Skeletank® installation.



Excavation is less than 500mm, you can see the stain of the original ground level on the wall behind Mark.



A bedding layer of stone provides a stable level base for the rainwater storage units.



The rainwater storage units are laid level.



The rainwater storage units are connected together using standard 110mm diameter underground drainage unit.



The rainwater storage units are covered with geotextile which comes supplied with the units and a final layer of stone is laid over the rainwater storage units on to which the paving slabs of the patio were laid.



The top stone layer ready for the paving.



This is the Skeletank® pump sump unit with an integral overflow. The pump sits within the chamber. The pump we recommended has an internal pressure control which removes the requirement for a control panel in your house. The pump only works on demand.



This is the Skeletank® inline rainwater filter chamber which will remove any debris and coarse silts from the harvested rainwater before it is stored for use.



This is the header tank arrangement in the roof space of Andy & Claire's house. The mains water backup was installed here all in accordance with the current air-gap guidance.

The Skeletank® system was installed by Andy & Claire's builder and their plumber did the internal works with the full technical support of their local Skeletank® distributor.

If you would like any more information or have any questions on this installation please contact Skeletank at [office@skeletank.com](mailto:office@skeletank.com)