

CASE STUDY

TOWNSEND PRIMARY SCHOOL

PFI contract new build school strides into the future with a green roof



Townsend Primary School in Stoke-on-Trent is a new build project which features an extensive roof garden development.

Part of the £153 million Stoke Schools PFI contract – the largest project of its kind in the UK, Townsend School's green roof was designed and installed by Permanite Engineered Roofing Systems in partnership with their approved contractors Evergreen Roof Gardens of Worthing and Helix Roofing of Cheshire.

Paul Slawson of Evergreen Roof Gardens describes Townsend School's roof; "It was a very interesting project because of the shape of the building. The project took about two weeks to complete and features a typical extensive Sedum mix of Hybridum, Lydium, Acre, Album, Spurium and Reflexum. The green roof features a plastic drainage system, formulated soil substrate and Sedum blanket."

"Permanite Engineered Roofing Systems offer a maintenance programme that includes early spring maintenance in which we cut back the Sedum plants to ensure stronger growth, followed by a programme of feeding in March to September and the removal of any undesirable plants."

Green roofs deliver almost instant benefits - to buildings, to the inhabitants and to both the local and wider environment. The interrelation of plant life and climate is well understood. Plants

Project Sector: PFI / Education / New Build

System: Extensive green roof

Products Used: Full Roof Garden Build-up and Spectra Fully Adhered to Tapered Insulation.

Contractors: Evergreen Roof Gardens
Helix Roofing

Contact: Evergreen Roof Gardens
01903 600122
Helix Roofing
0151 6662288

absorb CO² and release Oxygen. However, a green roof also serves to absorb rainwater and in doing so acts to reduce rainwater run-off, while a healthy bed of plants will help to remove pollutants and dust from the air.

Roof gardens also dramatically increase the life of a roof, providing an extra layer of protection to the roof fabric, as well as enhancing its thermal and acoustic performance.

Whichever way you look at it, roof gardens are extremely beneficial and important to our plans to combat climate change.

PERMANITE
ENGINEERED ROOFING SYSTEMS