

BRE INNOVATION PARK – INNOVATIONS IN LANDSCAPING

bre



The BRE Innovation Park is an exemplar for sustainable landscaping and integrated design that is required under the new Code for Sustainable Homes and covers issues such as pollution, water, health and well being, materials, surface water run-off, ecology and waste. The scheme was devised by landscape architects, Macfarlane Wilder Ltd, and the work undertaken by Elite Landscapes.

LANDSCAPING SUPPLIERS:



CED LTD

The principle of CEDEC footpath gravels is to form a firm but porous structure that retains moisture yet allows any excess to flow through. The materials used are specially graded decorative aggregates ideal for areas where the traffic is too heavy for grass but where a natural appearance is desired. The CEDEC footpath gravels comprise granite and quartzite, which are chemically inert and durable and will not affect the pH value of the surrounding soil. This is important where newly planted trees or pH-sensitive plants are sited. Its porous nature is good for trees generally.



SUSTAINABLE DRAINAGE SYSTEMS (SDS) LTD

Purpose built vortex flow controls have been developed specifically for use in drainage systems. The individually designed vortex flow controls offer an effective solution to storm water management problems. Each unit is configured to suit the site and to fit easily into the drainage infrastructure. Vortex flow control units do not rely on external power supplies or moving parts. An internal vortex, generated by the incoming water controls the through flow. The unique flow characteristic of the vortex flow control ensures optimum use of upstream storage while the large cross sectional areas greatly reduce the risk of blockage.



The miracles of science™

DUPONT

DuPont's new range of landscape products include DuPont Plantex and Xavan Pondliner based on Tytar technology. The DuPont™ Plantex® allows water and liquid fertilizers to go through to the soil, while at the same time allowing the soil to breathe. It helps to control weed propagation,

stops root and rhizomes propagation; restricts the growing area of specific plants (such as mint); and protects plants from the elements. The DuPont™ Xavan® Pondliner is a new professional pond liner based on the Xavan material which brings all the benefits of being resistant, flexible, environmentally friendly and lighter than the classical product.



BRITISH SUGAR BRITISH SUGAR TOPSOIL

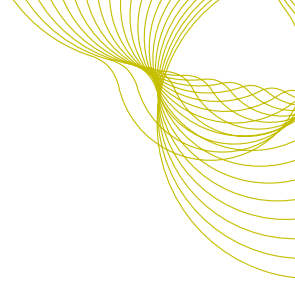
TOPSOIL from British Sugar is the largest selling topsoil in the UK. Derived from prime arable soil British Sugar TOPSOIL is sustainable, consistent, friable, clean and safe. Produced to an ISO 90001:2000 accredited quality system, British Sugar TOPSOIL is fully analysed by a UKAS, GLP and MCERT accredited laboratory. British Sugar TOPSOIL is not screened "Muckaway". British Sugar TOPSOIL's products Landscape20 and SPORTS10 are widely used, with great success, on new build and Brownfield sites, in landscaping and sports pitch construction and maintenance projects.



ARNOLD LAVER TIMBER WORLD

Timber Decking from Arnold Laver Timber World is manufactured from the very best Scandinavian and Russian redwood. The decking surfaces are pressure treated with Tanalith E preservative to ensure long life and low maintenance. Arnold Laver's tanalith pressure treatment process offers all the preservative protection of traditional tanalised timber, but with the extra wax additive to completely protect decking from the risk of decay and insect attack - even in the most extreme environments. Whether below ground or submerged in water, this highly effective preservative stays locked in the timber to provide essential outdoor protection.

Innovation Park: Landscaping Suppliers



An automated waste collection system and surface receptacle have been provided by Envac, a leading supplier of underground waste network systems for the transportation of municipal and industrial waste. The collection and transportation of waste is fully automated, safe and environmentally advantageous. The installation of an Envac system leads to a drastic reduction of on-road transportation of waste, improved hygiene and enhanced occupational health & safety standards. The Envac waste collection system supports source separation of waste.

Formpave FORMPAVE LTD

Formpave's Sustainable Urban Drainage Systems (SUDS) are increasingly being used to prevent run-off and flooding, and as a method of collecting and cleaning storm water. The Formpave Storm water source control system allows heavy rain to infiltrate through a permeable concrete block paved surface into a unique sub-base before being released in a controlled manner into sewers or water courses. The water leaving the Formpave system is cleaned by filtration and microbial action and can be used for secondary non-potable uses such as flushing toilets and watering soft landscaping.



Hard and soft landscaping products from Hanson include a wide range of products such as decorative pebbles, cobbles, rockery stone and boulders, paving, bagged sands and gravels, building aggregates, plasters, macadam and dry mixed concretes and mortars. On the BRE Innovation Park, Hanson's have demonstrated a selection of their natural stones and gravels including their Solen Gold Gravel, Crushed Granite and Green slate.



KEY TO PLAN

- 1 **CED Ltd:** landscaping gravels
- 2 **Sustainable Drainage Systems Ltd:** variable flow control
- 3 **DuPont:** Xavan pond liner
- 4 **Aquila Design:** Amarylis WiFi bench
- 5 **Arnold Laver Timber World:** timber decking
- 6 **Envac Automated Waste Collection:** surface receptacle
- 7 **Hanson Formpave Ltd:** Aquasett paving
- 8 **British Sugar Topsoil:** topsoil