

INNOVATION

SURFACE WATER DRAINAGE NEWS

**SOUTH EAST
ENGLAND
EDITION**



SPECIFICATION LITERATURE

To speed selection of our products, the information has been divided into four easy to use catalogues. CIVILS - featuring drainage products applicable to civil engineering. LANDSCAPING - products for domestic and public landscaping projects. AQUA - featuring Sustainable Urban Drainage Systems, and SPORT - a range of products specifically designed for sports facilities. The literature is also available in PDF format on www.hauraton.co.uk.



LONDON EYE KEEPS DRY

- Tough, durable HEELSAFE ductile iron gratings - load Class E600
- Gratings treated with corrosion resistant coating KTL
- FASERFIX® KS 100 fibre re-inforced concrete channels



The EDF London Eye attracts some 3.5 million visitors each year so efficient drainage of its surrounding concourse is of paramount importance. Since opening in 2000, the original installation of Polymer drainage channel (1) had deteriorated badly, so it was decided they should be replaced with Hauraton's strong, robust FASERFIX® KS 100mm channels (2) fitted with Class E600 ductile iron HEELSAFE gratings (3). The gratings were treated with corrosion resistant coating KTL, which is absorbed by the iron providing a life time guarantee for the grating. KS channels are made from the company's very tough fibre reinforced concrete and feature metal protection along their top edges.

WELCOME TO INNOVATION - SOUTH EAST ENGLAND SURFACE WATER DRAINAGE NEWS

For over 50 years the Hauraton range of drainage products has grown to meet the demands of legislation, the environment and the exacting needs of its customers. During this time, innovative design, excellence in engineering and reliable installation advice have all played a key roll in securing the company's trusted position as a worldwide supplier. Hauraton have provided drainage solutions throughout the world, for a range of diverse projects including major airports, sports stadia, motor racing tracks and container terminals to mention a few. However this newsletter just showcases some of the projects completed within London and the South East of England. Andy Beirne, Project Manager - contact details page 4



COLLECTED RAINWATER GREENS SAINT GILES

- Discreet RECYFIX® SLOTTED CHANNELS with symmetrical and asymmetrical slots
- One man lift - channels only 14kg , no component over 25kg
- RECYFIX® channels made from 100% UV resistant recycled PE-PP



Drainage on the Central Saint Giles paved piazza area was achieved with 600m of RECYFIX® SLOTTED CHANNELS with symmetrical and asymmetrical slotted inlets. Rainwater falling on the roofs and piazza is collected, treated and stored for re-use in irrigation of the planted areas. It is estimated around 3000m³ of water could be collected per year. This, with other carbon saving features gives the development an excellent BREEAM rating.

Andy Beirne, Hauraton's engineer for the project commented, "Managing a major building site in a very busy part of London was no mean feat for the main contractor, Bovis Land Lease and landscape contractor, Grants International. All the surface water drainage components we supplied had to be easily transported and installed without the use of handling machinery, so our channels, at no more than 17 kg per unit, were found to be ideal for the job".

The RECYFIX® channel components, made from our 100% recycled PE-PP were matched with galvanised steel slotted inlets with neck height and slot width specially made to match the decorative stone paving slabs used.

Hauraton also supplied bespoke stainless steel channels fitted with stainless steel, longitudinally slotted heel-safe gratings fitted in front of the entrance doors.



TOP QUALITY CHANNELS ON THE CHEAPSIDE

250 metres of channel installed in this famous London thoroughfare

Overlooked by Mary Le Bow Church, true Cockney's are said to be born within the sounds of "Bow" bells, and connecting St Paul's to the West and the Bank of England to the East, Cheapside ('cheap' meaning market) is a busy route linking the City with the West End. This major London thoroughfare has recently become even busier with the completion of twelve building schemes creating 167 new retail units.

With a vastly increased footfall it became essential that the pavements and surface water drainage was upgraded. The new drainage had to be robust, pedestrian friendly and meet the budget allocation.

Hauraton were approached by the City of London Environmental Services Engineers to provide a drainage solution that entailed the complete re-laying of the paved areas along the famous street. Hauraton FASERFIX® SUPER KS channels were specified, complemented by especially galvanized, ductile iron HEELSAFE gratings with a loading capacity to Class C250. 230 metres were eventually installed by contractor FM Conway.

Andy Beirne Hauraton's Project manager was pleased with how the channels preformed. "Made from the company's fibre reinforced concrete the robust FASERFIX® channels are highly resistant to damage even before installation".



During installation



INVASION OF SHOPPERS TO NEW ASDA

- RECYFIX® HICAP® with ductile iron traffic slotted inlets
- One man lift - except largest size
- Highly resistant to site damage



RECYFIX® HICAP® High Capacity drainage channels are available with pedestrian HEELSAFE, traffic and industrial ductile iron slotted inlets.

The new 3534 m² (38,000 ft²) Asda Superstore at Silverhill, Hastings has created 380 much needed jobs for the local community. The store has 365 free parking spaces for customers and for the local community to use when visiting the Silverhill area. With improvements to local roads and infrastructure the project used as much local labour as possible during the construction phase. As the store has long opening hours and the car park is continuously in use, effective surface drainage was a major consideration.

In total 180 metres of Hauraton RECYFIX® HICAP® 100 and 150 high capacity drainage channels were installed in the car park and access roads. Weighing less than 25 kg, each one metre unit was easily manipulated into position and even before the final surface had been laid and despite being trafficked by site vehicles, there were no reported channel breakages.

To further reduce installation times, end-of-run caps and pipe connection sockets were also supplied with other connection points moulded into the sides and bottom of each channel. This was a major advantage for the contractor as it helped speed the completion of the project.

FASERFIX® CHANNELS

Used in Agitated Composting Systems

In order to minimise the costs associated with landfill, a number of Local Authorities in the South East of England have encouraged the building of recycling facilities to process food and green matter into saleable organic products for horticultural and agricultural uses. The material for processing is delivered to a large enclosed building or yard where it is either placed into concrete-walled bays or extended beds. The waste material is wetted then continuously turned with specialist machines to create the usable compost. In many cases, the yard or floor of the processing building is fitted with a forced aeration system to speed up the composting process.

Normally used to provide surface water drainage, Hauraton FASERFIX® channels, fitted with ductile iron gratings and solid covers are now being successful utilised to provide multiple aeration ducts built into the floors of bays and beds and the channels will also drain away any excess liquid. The FASERFIX® channels feature SIDE-LOCK®, a patented boltless system that allows the ductile iron gratings and covers to be removed quickly and re-fitted easily for channel cleaning. For example, 10 metres of cover can be removed in about 90 seconds with just 70 seconds to replace all 20 covers - an important benefit that ensures efficient operation of the Agitated Composting System.



SIDE-LOCK®

Despite being trafficked by site vehicles, there were no reported RECYFIX® HICAP® channel breakages.



TEL. 01582 501380

hauraton
IT'S RUNNING WELL

24 HOUR TESCO PETROL STATION

- **FASERFIX® SUPER KS Channels** - project completed in just six weeks
- **HEELSAFE Ductile iron gratings** provide loading to Class F900
- **Channel made from Hauraton's unique fibre re-inforced concrete**



The Tesco Extra petrol station at Gillingham, Kent took just six weeks to build. Just over 145 metres of FASERFIX® SUPER KS were installed to protect the area from fuel spills and provide controlled surface water drainage.

Hauraton were able to deliver all materials on time so ensuring the site was up and running within programme.

HYDRAULIC SUPPORT EASIER SPECIFICATION AND PURCHASING

We provide a free hydraulics design service to cover all our products in the LANDSCAPING and CIVILS ranges. The service is intended to support engineers, architects, architectural technologists, contractors and general builders in choosing the correct drainage components to meet their exacting drainage requirement or load restriction pertaining to individual projects.

Input data

Channel type	Flow	Drainage area	ADD 0.01
Channel size	Material	Channel gradient	0.000000
Channel length	Channel width	Channel depth	0.000000
Channel material	FASERFIX Super KS KS - Length 145.00 m	Channel slope	0.000000
Flow of flow connection to next drainage	Flow flow will occur the 100.00m		

Results

Channel and surface
Minimum flow rate between inlet and outlet 0.000000 m³/s
Percentage of channel flow
Capacity of the channel at the inlet
Capacity of the channel at the outlet
Minimum flow rate will occur for given function of sewerage size

CE Declaration of Conformity

Product Name: FASERFIX SUPER KS

Manufacturer: Hauraton Limited

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▲ Typical hydraulic analysis of channel capacity supplied by the Hauraton support team

LOCAL SUPPORT

Andy Beirne has worked in the drainage industry for over 25 years and as Hauraton's Product Manager in the South East and London area for 15 years. He can be contacted on his Mobile 07595 511956 or email andy.beirne@hauraton.co.uk



PRESTIGIOUS HOTEL

- **RECYFIX® SLOTTED CHANNELS**



With a build cost of £70m the 14 floor Grange Tower Bridge Hotel recently opened its doors. Standing within a mile of the Tower of London, the hotel has been built on land that has remained derelict since suffering bomb damage in 1945. During construction a Roman burial ground was unearthed.

All the recovered artefacts were donated to the London Museum. Hauraton were chosen by Architect Buchanan Associates to provide a discreet slotted drainage channel to be installed to provide protection from flooding to this prestigious London Hotel.



STOCKED PRODUCTS

The most popular Hauraton products are stocked by the following merchants in the South of England. Contact Hauraton for depot addresses.

- Build Center
- Chandlers
- Collier & Catchpole
- George Lines
- JDP
- MPS



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