

INNOVATION

SURFACE WATER DRAINAGE NEWS

LITERATURE
PRODUCTS
PROJECTS
PEOPLE



NEW 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.



JUMBO CHANNELS AT HEATHROW

- **Tough, durable ductile iron slots for load classes to F900**
- **One man lift – all channels including the iron slot less than 25kg**
- **RECYFIX® HICAP® channels made from 100% recycled PE-PP**



Tim Connolly, Hauraton's Director of Sales and Marketing was delighted when RECYFIX® HI CAP® channels were specified at Heathrow. Made from the company's specially formulated recycled Polyethylene-Polypropylene (PE-PP), they allowed the hydraulic engineers and the contractor wide flexibility during the design and installation stages, by reducing the number of channel runs normally required to drain such a large area. The reduction meant less materials being used with fewer underground excavations, resulting in a fast and easy installation. All of the HICAP® channels used, including the tough, durable ductile iron slot, weighed less than 25kg.

WELCOME TO INNOVATION - SURFACE WATER DRAINAGE NEWS

"Here at Hauraton we are committed to a rolling Research and Development programme, so our design engineers are continually looking for ways to improve the engineering of our products. Sample components are taken from our production lines and routinely tested to ensure they meet the stringent mandatory load and quality specifications demanded. Be assured we take every advantage of this by continuously investing in our design and production facility, tooling, logistics and quality assurance. We ensure our support staff are kept up-to-date with the latest legislation and guidelines relating to our industry; they are more than happy to provide hydraulic design advice to the specifier.

The articles in INNOVATION showcase some projects with our products installed". Tim Connolly Sales and Marketing Director



GET ONTO THE RIGHT TRACK WITH RECYFIX®

- Ductile iron GUGI® MESH GRATINGS with excellent hydraulic capacity
- One man lift – channels only 14kg, no component over 25kg
- RECYFIX® channels made from 100% UV resistant recycled PE-PP

Over 500 metres of RECYFIX® 300 Super drainage have been successfully laid by Alfred McAlpine Project Services in the cutting approaching the Severn Tunnel East. It was part of ongoing engineering work commissioned by Western Territory Network Rail that underlines their commitment to provide a safe and reliable railway. The extensive work on the trackside and cutting slopes on this busy section of line was completed with minimal disruption to services.



- Gugi® ductile iron mesh gratings, secured by eight bolts per metre
- Specified to comply with a load category Class C250
- Channel only weighs 14.4kg per one metre unit

“Channel weight was greatly appreciated as easy manual handling of the channels was essential to reduce hassle on-site and allow faster installation procedures”
Alfred McAlpine Project Services

FAST CARS... FASTER RECYFIX® DRAINAGE

The forecourt at the new Audi showroom in Grimsby has had 300 metres of our drainage channel installed in front of the main building. Contractor MDB chose the RECYFIX® 100 PLUS system. The project was completed on time and without any on-site breakages, a major consideration for the contractor who had experienced this problem with other makes of channelling. MDB was so delighted with the performance of the RECYFIX components, they informed Colin Taff, Hauraton's hydraulics engineer, that they would certainly be using the product again on other projects.



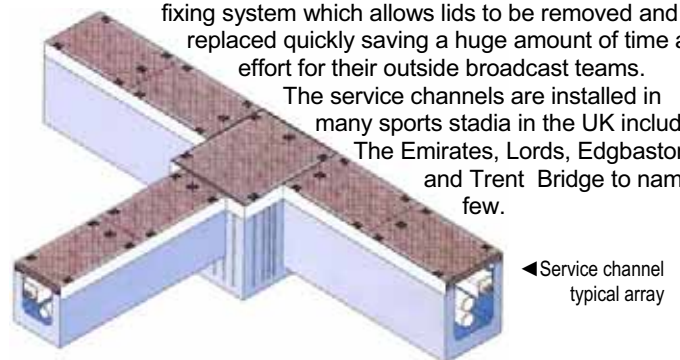
AT YOUR SERVICE CABLE MANAGEMENT



- Featuring SIDE-LOCK boltless locking system
- Ductile iron covers
- Up to 500mm wide units

FASERFIX® SUPER Service channels, illustrated in the CIVILS catalogue, are made from fibre reinforced concrete. The 100mm channel has a loading capacity of 250kN whilst the 150, 200, 300, 400 and 500mm units have a loading capacity of 600kN. All are suitable for use as ducting in both internal and external locations. SKY TV have recommended these service channels for a number of years as they are robust and feature the patented SIDE-LOCK fixing system which allows lids to be removed and replaced quickly saving a huge amount of time and effort for their outside broadcast teams.

The service channels are installed in many sports stadia in the UK including, The Emirates, Lords, Edgbaston and Trent Bridge to name a few.

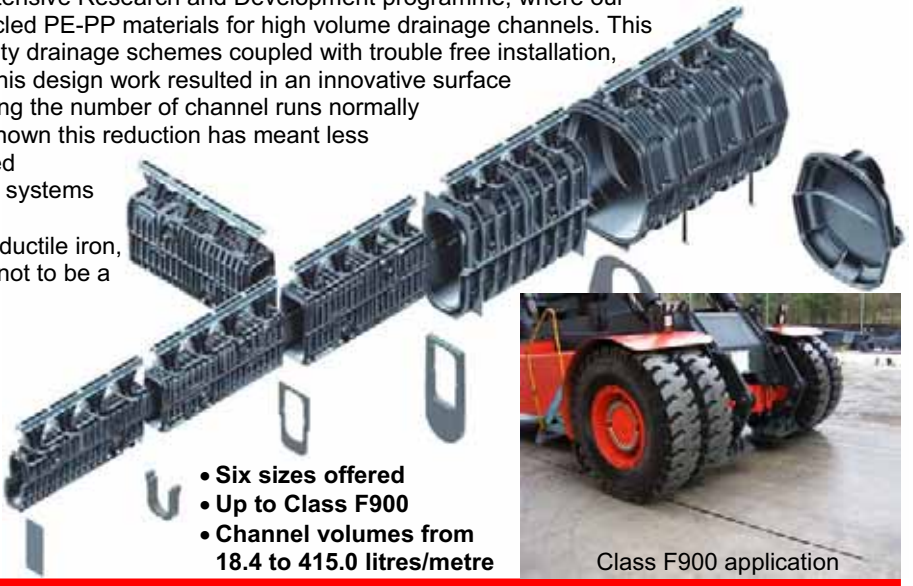


◀ Service channel typical array

RECYFIX® HICAP® ... Channels made from 100% UV resistant recycled PE-PP

- Ductile iron inlet – choice of pedestrian heelsafe, traffic and industrial slotted
- One man lift – except largest size which still only weighs 31kg
- Channels can be stepped for efficient hydraulic performance

The RECYFIX® HICAP® system is the result of an extensive Research and Development programme, where our design engineers identified the potential of using recycled PE-PP materials for high volume drainage channels. This allows specifiers and contractors flexibility in heavy duty drainage schemes coupled with trouble free installation, especially where tarmac is the surrounding surface. This design work resulted in an innovative surface water drainage system that has the potential of reducing the number of channel runs normally required to drain a given area. Field experience has shown this reduction has meant less underground excavations, materials and vastly reduced installation times. Unlike similar "heavy duty" drainage systems on the UK market that use galvanised steel slots, the inlets on our HICAP® channels are made from strong ductile iron, so accidental distortion during installation has proved not to be a problem.



- Six sizes offered
- Up to Class F900
- Channel volumes from 18.4 to 415.0 litres/metre



Class F900 application

BLYTH SPIRIT REGENERATED MARKET SQUARE A HIT

Lying on the southern bank of the River Blyth, the coastal town of Blyth, Northumberland is best known as an industrial port or possibly for its football team, the Blyth Spartans. Re-surfaced with sandstone slabs, the re-developed Market Square, has had 370 metres of 100mm of our RECYFIX® SLOTTED CHANNELS installed with galvanised steel heel-safe slots to drain the main concourse. The development includes a water feature of "dancing fountains" that jet through holes in the paved area. To control run-off, the fountains were flanked with 80 metres of channel fitted with stainless steel slots. Contractors BCE - Barton Civil Engineering was able to complete the £3 million project ahead of schedule allowing the market to be opened just before Christmas 2008.

Blyth Market Square regeneration scheme jointly funded by..

- Blyth Valley Borough Council
- Northumberland Strategic Partnership,
- Northumberland County Council
- One North East
- Senntri.



GREEN CREDENTIALS PRODUCTS ACHIEVE HIGHEST PERFORMANCE

The recycled polyethylene (PE) and polypropylene (PP) polymer used for our RECYFIX® branded products derives from post consumer and post industrial sources. The moulding techniques and the recycled PE-PP co-polymer perfected in the early 1990s provide tough lightweight products that have stood the test of time. Our co-polymer combines the properties of the two plastics; polyethylene has a natural resistance to Ultra-Violet (UV) energy whilst polypropylene is a very stable plastic that is easy to injection mould into complex shapes. Not only is no prime polymer used in the manufacture of our products, but it is the shredded recycled material, not reformed pellets, that is fed directly into the injection moulding machines providing even more environmental savings

RECYFIX® STANDARD, SUPER, HICAP® and SPORTFIX® surface water channels, TURF STANDARD™ and TURF SUPER™ surface reinforcement grids are all made from 100% recycled PE-PP. The range has made us Europe's leading supplier of recycled PE-PP drainage systems. LINEFIX® edging system is made from 100% recycled PP. PE = polyethylene and PP = polypropylene.



RECYFIX SUPER channel



RECYFIX TURF SUPER



LINEFIX border edging system



SPORTFIX athletic track drainage

TEL. 01582 501380

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IT'S RUNNING WELL

ST IVES – THE ART OF FLOOD PREVENTION

- Heavy ductile slot gratings to Class E600
- Single double and triple channel runs ACROSS the carriageways
- FASERFIX® SUPER channels made from fibre-reinforced concrete

With its picturesque setting, beaches, famous art galleries and shopping facilities, St Ives Cornwall, is a popular place to work, live and spend holidays. Unfortunately, weather fronts racing in from the Atlantic bring heavy rain fall, particularly during the winter months, causing water to cascade down the steep roads and into the lower town's narrow streets and passages. The need to protect valuable real-estate including the Tate Gallery, St Ives, commercial developments, art galleries, studios and shopping facilities, gave extra urgency to the plans for a new road drainage scheme.

FASERFIX® SUPER 500 channel system made from fibre-reinforced concrete were eventually selected as this met all the design criteria. The building contractor, Carillion Construction, installed channels, totalling 186 meters, across various roads leading down to the town in order to ensure effective flood prevention.

Single, double or triple channel runs were installed across the carriageways depending on the volume of run-off water to be diverted. Happily, now the new scheme is operational, even when there is very heavy rainfall, all the run-off is safely diverted.



HYDRAULIC SUPPORT EASIER SPECIFICATION AND PURCHASING

We provide a free hydraulics design service to cover all our products in the RECYFIX® and FASERFIX® 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. By providing a recommended specification the aim is to remove the hassle when the goods are purchased. Our support staff are up-to-date with the latest legislation and guidelines relating to the industry.

Hydraulic analysis of channel capacity

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CE Declaration of Conformity

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



DONCASTER COMMUNITY SPORTS COMPLEX



All the drainage channels installed at the Community Sports Complex in Doncaster were supplied by Hauraton. RECYFIX® SUPER channels were chosen for in and around the stadium, five-a-side pitches and athletics track. Long jump sand trap components were also supplied. High capacity, RECYFIX® HICAP® channels were used to drain the car park.



The Community Sports Complex in Doncaster...

Client: Doncaster Council.
Architects: ACP Architects
Main contractor: Carillion
Consulting engineers: WSP
Sports specialists: Thornton



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