

INNOVATION

SURFACE WATER DRAINAGE NEWS

LANDSCAPING
EDITION



LANDSCAPING SPECIFICATION CATALOGUE

Other relevant Hauraton catalogues include: CIVILS - featuring drainage products for heavy duty and high capacity applications. SPORT- products for stadia and sports fields. AQUA - featuring products for SUDS.

All literature is available in digital format from www.hauraton.co.uk.



OUTSTANDING MADELEY ACADEMY

• RECYFIX® PLUS and SUPER KS



RECYFIX® PLUS in staff car park

Completed in September 2009 the impressive Madeley Academy in Telford, Shropshire, provides 900 places for 11 to 16 year olds.

Build at Madeley, a historic coal mining area in Telford, this £30 million state-of-the-art independent school is also designated a specialist sports college boasting floodlit turf sports fields, synthetic five-a-side pitches and an athletics track. Set in landscaped grounds, the site includes a vocational training centre and a 48 place fitness centre. Surface water drainage was required for the extensive hard landscaping at the school including a large staff car park, access roads and walkways.

Hauraton RECYFIX® PLUS surface water drainage channels were installed along the edge of the staff car park and walkways. The channel component, made from 100% recycled PE-PP, were fitted with ductile iron 6mm slot gratings having a loading class of C250. Where drainage was installed across a roadway, RECYFIX® SUPER channels were used with SIDELOCK ductile iron gratings with a loading class of E600 allowing for heavier vehicular traffic. The maximum weight of a one metre channel, including the grating, is only 20.6kg so ground-work contractor Covertron Limited had no need of lifting tackle, allowing for easier installation.

Since its opening, Madeley Academy has achieved an "Outstanding" academic grade from OFSTED.

The full Case Study for this project can be downloaded from the Hauraton website.

WELCOME TO INNOVATION - SURFACE WATER DRAINAGE NEWS



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IT'S RUNNING WELL

DACHFIX®-SHALLOW DECK DRAINAGE

- Channels offered in galvanised steel, stainless steel polypropylene or recycled PE-PP
- Standard depths from 45mm to 110mm. Bespoke depths up to 400mm
- Technical support and specifically designed components available

DACHFIX® combines shallow channels and gullies with slots or gaps in their sidewalls which allows rain water to percolate in and out of the surrounding substrate with excess water drained away. The system components can be specifically designed for application on most flat roofs, building entrances, façade abutments, stair landings, accessible roof gardens, balconies and terraces where shallow drainage is necessary and level access is required.



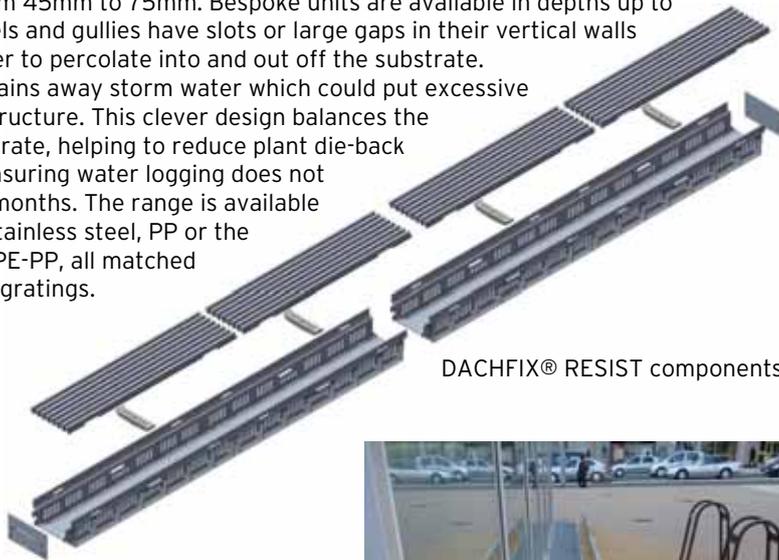
DACHFIX® STANDARD



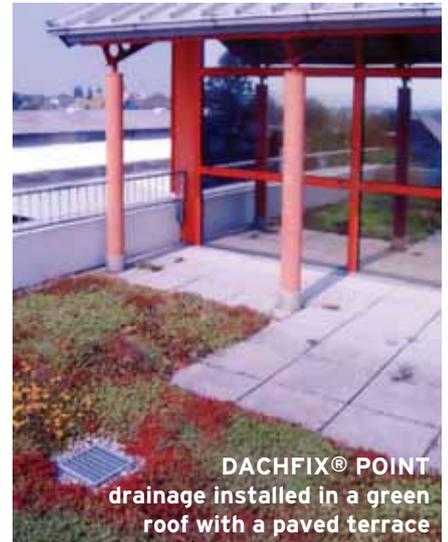
DACHFIX® RESIST

Tricky drainage problems around buildings and flat roofs can be elegantly avoided by specifying components from the Hauraton DACHFIX® range. With a much higher water capacity than gravel catch points, the standard channels and point drainage gullies are offered in depths from 45mm to 75mm. Bespoke units are available in depths up to 400mm. The channels and gullies have slots or large gaps in their vertical walls which allow rain water to percolate into and out of the substrate.

The system safely drains away storm water which could put excessive weight on the roof structure. This clever design balances the moisture in the substrate, helping to reduce plant die-back in dry weather yet ensuring water logging does not occur during winter months. The range is available in galvanised steel, stainless steel, PP or the company's recycled PE-PP, all matched with slotted or mesh gratings.



DACHFIX® RESIST components



DACHFIX® POINT drainage installed in a green roof with a paved terrace



Sliding door application



Landing



Walkway application



Glazed façade



Paved façade

"Hauraton have provided many DACHFIX® schemes throughout Europe; based on this vast experience, our technical support team can provide a free component specification service to help UK flat roof landscapers choose the correct DACHFIX® configurations, ensuring optimum drainage conditions for their projects"
Tim Connolly Sales and Marketing Director

OFFICE BUILDING INSPIRES

- **RECYFIX®** channel moulded from 100% recycled polyethylene and polypropylene PE-PP
- **Stainless steel mesh gratings**
- **Trash box and full range of accessories offered**

Harrogate in Yorkshire now has a spectacular addition to its skyline. The INSPIRE building at just over 40 metres high is a state-of-the-art development providing some 1767m² (19,000 ft²) of high quality office space. Located at the heart of Hornbeam Park, described as a pre-eminent thriving business and education community, the distinctive five storey pyramidal steel frame building features blue toned, solar reflective, double glazed external walls topped with a stainless steel spire which encloses a roof terrace.

The building required a very effective drainage system around its 120 metre perimeter if rainwater was to be prevented from flooding the surrounding area and the adjacent car park. Architects Hill Cannon rightly insisted any drainage system must blend with the aesthetics of their design.

Hauraton's hydraulics sales engineer, Colin Taff, worked in close collaboration with contractors Houseman and Falshaw to ensure all criteria were met. The company's 200mm wide RECYFIX® STANDARD drainage channels made from the company's specially formulated recycled Polyethylene-Polypropylene (PE-PP) were chosen complete with neat stainless steel mesh gratings. Tim Connolly, Hauraton's Sales and Marketing Director is confident this environmentally friendly drainage system, perfected by the company in the 90's, will provide reliable façade drainage and, prevent the build-up of water around the building's main entrance.

RECYFIX® STANDARD channel with stainless steel gratings used at base of facade



With many such schemes successfully installed throughout Europe; based on this vast experience, Hauraton was able to provide a free hydraulics design service to help the contractor choose the correct channel size and configuration, ensuring optimum drainage conditions for the project.

RECYFIX® STANDARD channel being installed at entrance door



FIBRETEC®

Surface water channel grating scoops International Design Prize

- **The world's first drainage grating made of fibre strengthened Polyamide**

Recently introduced into the UK, the new Hauraton FIBRETEC® C250 grating has been awarded a major international prize for a new product in the building sector.

The material, PA-GF used to make the FIBRETEC® grating was especially developed by Hauraton for this application. The fibre reinforced plastic construction is resistant to corrosion and offers high stability and huge strength for its weight. Indeed the Class C250 (BSEN 1433) slotted grating is a real innovation as its material, design, surface finish and construction were all re-thought by Hauraton's research and design engineers during the product's development. With its emphasized detailed design, the grating is very appropriate for use in areas where a visually appealing product is necessary. The C250 grating is a hydraulically optimised component available with the company's RECYFIX® PRO 100 range of surface water drainage channels.



FIBRETEC® C250 grating featured on RECYFIX® PRO 100 channels

BRIDLE PATH RESISTS WEAR

- RECYFIX® GREEN STANDARD surface reinforcement
- Load capacity 200 tonnes/m²
- Made from 100% recycled polyethylene and polypropylene PE-PP

With a combination of horse riding, mountain and quad biking, many regularly used bridle paths deteriorate into muddy tracks especially in wet weather. It was such a heavily used bridle path leading from an equestrian centre near Congleton, Cheshire that became a danger to horse riders when it became boggy and virtually impassable.

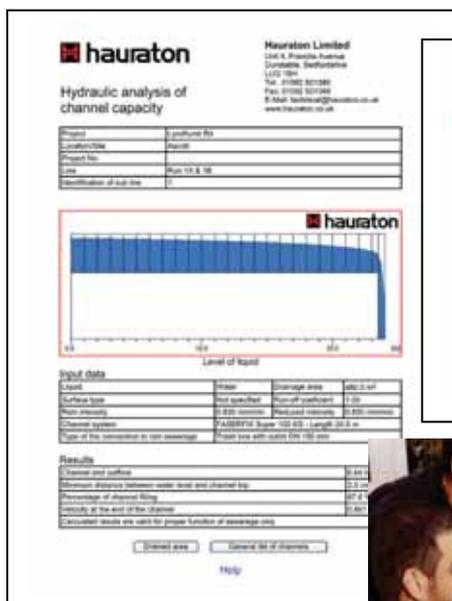
Maple Arenas, one of the UK's leading equestrian construction specialists, decided to use a surface reinforcement system from Hauraton which allowed the strengthened surface to be grassed, retaining the green aspect so important to the land owners.

RECYFIX® GREEN STANDARD is a discreet and permanent system with a loading capacity of 200 tonne/m². Manufactured from 100% recycled Polyethylene-Polypropylene (PE-PP) each 387 x 344mm module is simply held in position with pegs. The bridle path area was excavated, covered with a granular sub-base, a layer of sharp sand applied and then rolled. Over 500m² RECYFIX® GREEN modules were then installed. These were filled with top soil and compacted into the module apertures. The whole area was then grass seeded and left to grow over several weeks.



HYDRAULIC SUPPORT EASIER SPECIFICATION AND PURCHASING

We provide a free hydraulics design service to cover all our products in the DACHFIX® 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.



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



CD-ROM FEATURING FASTRACK CAD DATABASE

Ensuring surface water drainage products are correctly specified and effectively installed has now been made much easier as Hauraton Limited has just published a CD-ROM presenting all their turn-page product e-catalogues, plus a FastrackCAD® database of CAD installation drawings of their most popular FASERFIX® and RECYFIX® products. Included on the CD are interesting case studies and informative technical videos.

The disk can be opened independently of the internet and there is no need to download any of the information onto your computer so saving on hard disk space.



STOCKED PRODUCTS

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

- Boys and Boden
- Build Center
- Chandlers
- Collier & Catchpole
- George Lines
- James Burrell
- JDP
- MPS
- PDM



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