

ISSUE 9 OCTOBER 2022

# GROUND UP

THE LATEST NEWS FROM YOUR TRUSTED CIVILS SUPPLIER



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## MARSHALLS' CARBONCURE LOCKS IN CO2

Marshalls to be the first concrete product manufacturer in UK to adopt CarbonCure Technologies.

Marshalls has committed to adopting CarbonCure Technologies' carbon mineralisation technology. They will be the first concrete manufacturer in the United Kingdom to use CarbonCure for the production of our concrete products.

### WHAT IS CARBONCURE?

CarbonCure is a climate tech company offering a

suite of technologies that reduce and remove carbon dioxide across the concrete manufacturing process. CarbonCure's technologies inject CO2 directly into concrete as it is being mixed. The CO2 immediately reacts with cement in the mix and mineralizes to create calcium carbonate (CaCO3). Once the CO2 is mineralized, it is permanently locked into the concrete for millennia - never to be released into the atmosphere, even if the concrete is demolished.



## MAGNIFICENT TURN OUT FOR MADDIE ROSE 3 PEAKS CHALLENGE

100 colleagues from businesses across Genuit Group completed the Yorkshire 3 Peaks challenge in support of the Maddie Rose Campaign. Participants faced a demanding 24-mile hike comprised of the peaks of Pen-y-ghent, Wharfedale, and Ingleborough, in the Yorkshire Dales National Park.

Despite a whole host of trials along the way including rainy skies, rugged terrain, and 1585m of ascent, all teams successfully completed the route.

A total of 15 teams took part from across all the Genuit Group businesses including Head Office, Polypipe Civils, Green Urbanisation, Polypipe Building Products, Polypipe Building Services, Manthorpe, Nu-heat, Alderburgh, Solutek, Domus Ventilation, Plura, ADEY, and Mason Pinder.

So far they have already raised a staggering £10,000 for the Campaign!

### IT'S ALL ABOUT INSPIRING YOUNG PEOPLE

It was great to see so many get involved to support

the cause, and a special mention goes to those who walked as part of the 5% team made up of employees in part time education or apprenticeships from each business, showcasing the Group's commitment to inspiring young talent to join the construction industry.

Created by the Construction Youth Trust, the Maddie Rose Campaign aims to shine a light on the opportunities available across the merchanting and supplier sectors and inspire the next generation to pursue a career in construction. To find out more about the Maddie Rose Campaign [click here](#). Donations can still be made by using this QR code.



## CARBON SAVINGS WITH MONODRAIN

ACO MonoDrain is a versatile one-piece monocast channel drainage system that can be used anywhere from stations and schools to car parks and commercial sites.

The ACO MonoDrain has an environmentally friendly design which requires 41% less concrete to install compared to its predecessor, ACO Monoblock.

Made from Vienite®, ACO's high performance recycled material, the channels are high strength and robust. This means it needs just 100mm of haunching, down from a typical 150mm for other monocast drainage channels.

Available in either 100mm or 150mm wide channels, the MonoDrain comes in grey, black or natural colourways to adapt to any design.

The one-piece construction also removes the risks associated with dislodged or stolen gratings, making it a safer solution for high-traffic and pedestrianised areas.

For projects where reducing carbon and sustainability is paramount, MonoDrain from ACO Water Management is the ideal solution.

For more about ACO MonoDrain, please ask in your local Keyline branch.



## PRO-SHIELD HAS GOT IT COVERED

Pro-Shield, the innovative B125 Nylon Access Cover from Clark-Drain, is perfect for residential projects.

Strong, safe and secure, Pro-Shield is light and easy to install for multi-fit applications on driveways and pedestrian areas. The unique honeycomb design adds structural strength, giving it a load bearing of 12.5 tonnes.

Made from recyclable glass filled nylon, it is significantly below manual handling regulations, meaning quicker install times and reduced labour costs.



With a 450mm clear opening, 350mm reducer ring available and unique slip-resistant surface tread pattern, Pro-Shield offers the highest levels of safety.

Pro-Shield is now available from all Keyline branches.



## RODDING BRANCH A TIMESAVER

Save up to 60% time on-site with PAM's new rodding branch.

Replacing a traditional system of up to 8 different fittings, the PAM rodding branch is a simple one-piece fitting capable of holding 5bar of pressure, helping save both time and space.

The perfect solution for multi-story developments with basement levels, where drainage systems have numerous directional changes and multiple connections to vertical pipe stacks.

Available in 100mm diameter, in both 45° and 88° variances.



For more information about PAM products, ask in your local branch.



## UNIVERSAL SADDLE SOLUTION FOR DN300 PIPE

Fernco announces that it has made a universal connection for DN300 plastic drainage pipes.

The PA Saddle was originally designed to connect 160mm PVC pipes into plastic Twinwall pipes and has become an essential piece of kit for installers nationwide. Add-on products helped contractors install different DN150 lateral pipe materials and profiles to meet project specifications.

Now Fernco have improved the connection between the saddle and the larger diameter main pipe. Using innovative

components, Fernco R&D have been able to make a PA Saddle solution for any DN300 plastic pipe, including UltraRib, Polysewer, smooth thin wall pipes and more.

"The improvements to the PA Saddle, will allow more contractors to benefit from the high performance and simple installation the WRC Approved™ PA Saddle brings, now and into the future." Luke Sweeney, Product Development Manager.



## KLARGESTER AQUACOMBI REUSES AND STORES

The new Klargester AquaCombi Rainwater Harvesting & Attenuation Tank does a great job of reusing and storing domestic water.

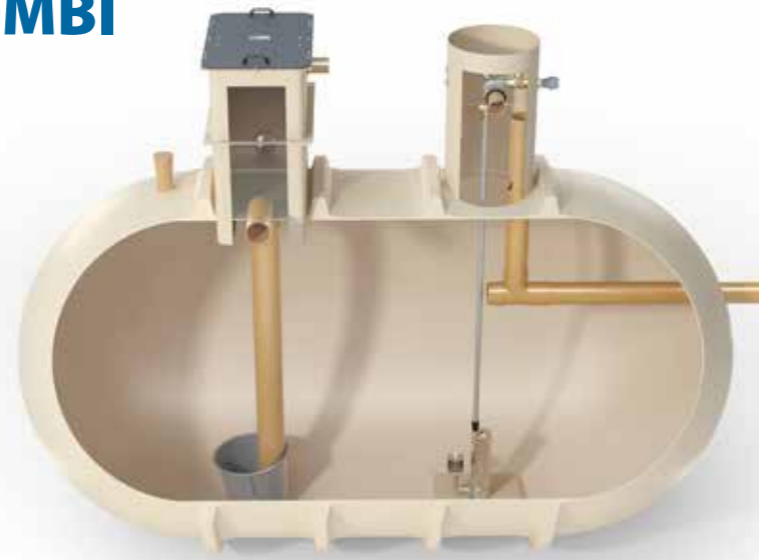
This system can reuse water from the roof for toilet flushing and washing machines, and in doing so reduces downstream attenuation needs.

### AQUACOMBI KEY FEATURES:

- Simple, cost effective solution for both reuse and storage
- Helps households reduce PCC and save money
- Ideal for both domestic and commercial applications

- Reduces downstream attenuation needs
- Intelligent flow control to discharge water at specified flow rate
- Smart design independent of weather forecasting software
- Full range of capacities available
- 3 year warranty (terms and conditions apply)

As a part of its Planet Passionate programme, Kingspan are dedicated to delivering innovative surface water management technologies, developed on the back of 65 years' experience.



Contact your local Keyline branch for expert technical support on sizing, installation through to maintenance for all types of SuDS projects or to arrange a free site visit by Kingspan Klargester.



## GO NUTRIENT NEUTRAL WITH GRAF UK



Graf UK have wastewater treatment systems that can help meet the demands of nutrient neutrality by reducing phosphate and nitrate levels. Good to know when local authorities are postponing planning application decisions unless developments can prove they are nutrient neutral.

Both 'plug & play' packages, GRAF Advanced One2Clean, and Klaro WWT systems maintain excellent control of TP & TN levels.

TP - Phosphate removal +P package: achieving up to 0.4mg/l effluent quality & 95% efficiency.

TN - Nitrate denitrification +D package: achieving up to 7.9mg/l effluent quality & 87% efficiency.

If you require technical help to meet Nutrient Neutrality demands, contact our branch teams for more information.

## FP MCCANN TRIALS CONCRETE-FREE

FP McCann has manufactured the UK's first cement-free precast manhole rings and pipes using Earth Friendly Concrete (EFC) from Wagners. Instead of Portland cement, teams have introduced a geopolymer low-carbon binder that is formed from the chemical activation of Fly Ash and Ground Granulated Blast-furnace Slag.

### 80% REDUCTION IN ENVIRONMENTAL IMPACT

By replacing Portland cement with geopolymer binder made using materials from recycling streams, they claim the product can reduce the overall environmental impact and the CO<sub>2</sub> emissions of the concrete by up to 80%.

In addition to its low carbon credentials, high performance concrete made with this innovative material is achieving similar strengths to traditional concrete and provides improved durability in many aggressive environments.

### PRE-CAST SECTOR IS NEXT STEP

After extensive research and use in the UK's ready-mix industry, the next step will be an introduction of the geopolymer concrete in the precast sector. Here, the low carbon alternatives can combine with modern manufacturing methods to provide a truly innovative solution for the construction sector.



FP McCann's wider low carbon initiative is achieved by working closely with suppliers and customers to provide economical, high-quality, and sustainable products.



## BUILD BACK BETTER WITH HEPWORTH CLAY

With sustainability targets in place across the UK, an eco-friendly approach to all aspects of construction is important. The Government's 'Build Back Better' campaign aims to align economic recovery with environmental impact.

Clay systems can help developers to support these initiatives in a variety of ways. Firstly, clay is a future-proof material; it's 100% natural and 100% recyclable. In addition, its inherent natural strength

enables recycled aggregate to be repurposed as a bedding material, reducing the environmental impact of any project it is used in. The material's longevity also ensures that it is unlikely to need replacing with further resource within 100 years.

For more information on how Hepworth Clay can benefit your next project, ask at your local Keyline branch.



## MOVING FORWARD ON HVO



We have scaled up our use of Hydrotreated Vegetable Oil (HVO) as a replacement biofuel for diesel in the fleet and we're now at around 50% of the network running vehicles on HVO.

In November 2021 we worked with Green Biofuels Ltd (GBF) on a HVO trial at our Milton Keynes branch. Branch Manager, Chris Berrill, who has been at the forefront of our move to HVO, says:

"The HVO used is sustainably sourced and has the potential to reduce carbon dioxide by up to 90% compared to diesel as well as reduce other emissions, including nitrogen



oxide by up to 30% and particulates by up to 85%."

Existing diesel vehicles did not require modification and with fuel supply and storage now located in our own yards, our drivers are happy.

The trial has shown us what a crucial part HVO has to play in decarbonising the business and it's great to show customers and suppliers that we are committed to improving our working environment.

## KEYLINE RAISES THE FLAG FOR LGBTQ+ AT BIRMINGHAM PRIDE

35 team members and loved ones from Keyline Civil Specialist joined a crowd of over 75,000, parading the streets of Birmingham on Saturday 24th September to show their support for equality and diversity.

Adorned with colourful helmets and rainbow flags, the Keyline team accompanied a dedicated float that had been put together to showcase Keyline's support for the LGBTQ+ community.

"Pride is a vitally important event that we love being part of," said Dean Pinner, Managing Director. "It aligns with our core values as a business to ensure all colleagues have the freedom to be their authentic selves. We aim to be a workplace which celebrates, supports, respects and values one another for what we each bring to the team."



### A MORE INCLUSIVE SECTOR

Keyline's attendance mirrors wider commitments to diversity and inclusion (D&I) which include the inception of a D&I network and development of a youth board.

Dean continued: "I'm extremely proud of all colleagues for their involvement in creating a more inclusive environment. There is strong evidence of allyship around our business. I am keen to continue this across all areas not only within Keyline, but in the construction industry as a whole.

We know we've got a way to go, but we're all committed, and small changes can make a big difference tomorrow. Attending and putting on a float at Birmingham Pride is one of the ways we can be an LGBTQ+ ally and inspire further conversations within our sector."



## DAVE'S MARATHON EFFORT FOR PCUK

Determined National Sales Director Dave Rudd completed his first ever Marathon on 2nd October 2022.

Dave signed up for the London Marathon to fundraise for Keyline's charity partner, Prostate Cancer UK (PCUK).

Supported by family, friends and colleagues, Dave explained why it's a cause that's extremely close to his heart: "Sadly, a close colleague is currently facing a prostate cancer diagnosis. As a team, we wanted to do all we could to support him."

Dave exceeded his goal of £2,000 to support the charity's lifesaving research into diagnosing and treating prostate cancer.

Dean Pinner, Managing Director added, "PCUK means a lot to the business, having been our charity partner for over 12 years. We've really taken the organisation to our hearts, and we're extremely proud of the personal commitment Dave has made to raise so much money for such a worthy cause."

