

what's new in the pipeline

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March 2007

Plastic Piping Helps to Provide Drinking Water



There are presently over one billion people in the world who have trouble getting water - a commodity that we take for granted in the U.K. However, thanks to the ongoing efforts of Richard Cansdale, a Northumberland based engineer, this total is tens of thousands lower.

Richard's company, SWS Filtration, designs sea filters and pumping systems that are used at locations all over the

world. Their business led to trials into sinking bore holes in sandy beaches so that water could be extracted using sand as a natural filter material. Taking this experience to Africa, they discovered that the same techniques worked on dry sandy riverbeds - allowing them to extract drinking water.

The company has also pioneered a method to sink wells in minutes using a water jetting technique where a pipe can be "washed" down to depths exceeding six metres. This is much more cost effective than digging deep boreholes and the natural filtration qualities of the sand means that the water is cleaner and not prone to contamination that occurs in open water holes.

Richard uses plastic pipe and fittings from IPS in his "Canzee Pump" that is used to provide a virtually maintenance free method of drawing water. Simple in

design, the pump has no piston seals and therefore has virtually nothing to wear out.



In recent years, Richard has sent his Canzee Pumps to Ghana, Kenya, Tanzania, Zaire, Angola, Madagascar and Malawi. He is pictured here in June 2006 at Mzuzu, Malawi, following a successful installation.

For more information on the Malawi project, visit: www.wellsforzoe.org

IPS Warehouse in Operation



The expansion at the IPS warehouse is now in full operation, making significant improvements to availability on all product lines.

In the pipe bulk storage area, over 100 individual pipe stillages are stacked on cantilever racking systems that fully utilise the height and length of the new building. It also enables all pipes to be stored indoors, ensuring that our stocks stay in as-manufactured condition until needed for use.

The pipe store is serviced by a guided fork lift truck that travels safely between rails to each storage location. Using this

system the pipe stillages can be quickly moved into a packing area ready for despatch. It means that we are able to respond even more quickly to urgent, large volume pipe orders.

Pipe fittings and valves are stored in computer designated locations, ready for daily picking. Bulk materials are stored on one of two large mezzanine storage areas until they are needed on the picking shelves below.

The increased stock levels are now having a positive effect on order



completions. During the last three months we consistently recorded our highest ever level of order completion - more than 95% of all orders despatched were shipped complete, first time.



Polyethylene Fire Mains

Agro polyethylene piping is now approved by Factory Mutual (FM) for underground mains that deliver water to fire sprinkler systems. It is the only polyethylene systems to be approved for this application.

The system is approved for maximum operating pressure of 12 bars, according to FM class number 1610 - "Pipes and fittings for underground fire protection service". The approval covers pipes as well as butt or electro fusion welded fittings in diameters up to 400mm.

Polyethylene is ideally suited to below ground installation, offering high flexibility, corrosion and abrasion resistance, ease of welding and a long life expectancy that is in excess of 50 years. The system is supplied with comprehensive material certification that ensures full traceability for both raw material and manufacturing.

Since the introduction of the system, installations have been successfully completed both in the U.K. and across Europe. Polyethylene is especially cost effective for this application when compared with traditional piping materials such as ductile iron. Details of the approved range are available in the ips Handbook or may be downloaded from the IPS website at:

www.ips-plastics.com/pedownloads



Welding Machine Hire

IPS has a large hire fleet of welding machinery for plastic pipe systems. The range includes hand held socket fusion welding tools, combined socket and butt welding machines, butt fusion machines for site or workshop use, IR welding machines, and electrofusion welding equipment.



We also stock a wide range of hand tools, cutting equipment and jointing accessories to simplify installation and improve joint quality - and of course we provide free of charge training in the operation of all of our welding machinery. We cover a size range from 20mm to 630mm, and tools are available for rental on a weekly hire basis.

For further details of our range of equipment, training or other aspects of installation and jointing, contact Tony Charlton at: tcharlton@ips-plastics.com

Want more information?

If you want more information on IPS products or need to discuss your specific application, contact us by phone or by email to: sales@ips-plastics.com

Industry News: PVC-U pipe



Changes to the standard for PVC-U pressure pipe have been introduced recently.

The old British Standard for PVC-U pipe, BS 3505, has been discontinued and replaced with a new European Standard, EN 1452.

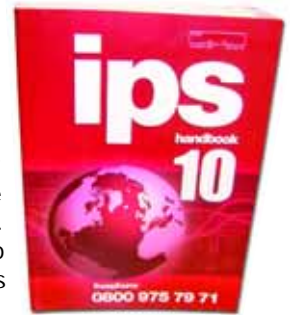
EN 1452 covers the dimensional and performance standards of pipes to both inch and metric dimensions, and therefore it also supersedes the previously widely specified DIN and KIWA norms. Most importantly, however, PVC-U piping to the new standard is completely dimensionally compatible with IPS pipe fittings and valves and therefore users can still expect a fully matched system.

IPS has already replaced most of its stock of the old material with products meeting the new standard. Users should be aware of this change when calling up material specifications on new installations.

Handbook 10 Now Available

The 10th edition of the IPS Handbook is now available. This fully priced publication is an essential document for piping system designers, users and installers, and is the most comprehensive product guide available.

To receive your free copy of the IPS handbook, email your details to sales@ips-plastics.com, or call our freephone 0800 975 79 71. You can also register your details at our website.



Contact IPS

IPS are the U.K.'s number 1 supplier of industrial plastic piping systems. We have a team of industry specialists covering the U.K. and Ireland, backed by the resources at our head office.

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