

# Latest Awards



**Certificate No. 175 was awarded to Asset International Ltd. This certificate replaces PT/03/1096 following the five-year review of the structured wall PE pipe.**

The structured wall HDPE pipe was first issued a certificate in 1996 for the size range 400 – 2200mm, this has been extended during the five-year review to 3000mm. Jointed by internal or external welding, this product was re-tested in the lab and on-site.

**Following the revision of the Operational Guidelines and Code of Practice for epoxy resin linings, a number of epoxy lining rigs have been WRc Approved.**

The rigs were assessed against the WRc Operational Guidelines and Code of Practice for use with specific epoxy resins.

Subterra Ltd	PT/146/0901 and PT/147/0901
O C Summers Ltd	PT/152/1101 and PT/153/1101
Mercol Products Ltd	PT/155/1101
Waterline Equipment Co Ltd	PT/156/1101, PT/167/0201 and PT/168/0201
Kenton Utility & Development Ltd	PT/157/1101 and PT/161/1201
John Kennedy Civil Eng Ltd	PT/160/0202 and PT/165/0202
Needham	PT/174/0302

**Certificate No. 150 was awarded to Bodycote Metallurgical Coatings Ltd. This certificate replaces PT/01/0696 following the five-year review of the Sheraplex coating.**

The first ever 'WRc Approved' certificate was awarded in 1996 to Bodycote Metallurgical Coatings Ltd (formerly Zinc Alloy Ltd). Bodycote were party to the drafting of the Water Industry Specification for anti-corrosion coatings on threaded fasteners (WIS 4-52-03).

Bodycote applies the 'SHERAPLEX WIS' coating for use in a range of water industry applications and was re-assessed in accordance with the WIS. An extended range of colours are now available under the approval.

**Certificate No. 145 was awarded at IWEX 2001 to the Funke Group (Germany) for their saddle fitting for the connection of laterals to sewers.**

The Fabuken junction produced by the Funke Group in Germany and marketed in the UK by K S Profiles is available for the connection of laterals (160mm & 200mm) to concrete pipes (DN300 – DN 2325).

The aim of the assessment was to ensure that the Junction would give satisfactory performance in service. The tests were undertaken using a concrete sewer pipe, which is the most common material, used in the UK in this size range. WRc witnessed type testing and on-site application of the product in Germany and the UK.

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**Interim Certificate No. 144 was awarded at IWEX 2001 to Redman Fittings Ltd for their boltless mechanical fitting.**

The fittings, made of epoxy coated steel, were assessed against WIS 4-24-01. They are currently available in the size range 63mm – 125mm.

The components comply with the requirements of BS 6920 and WRAS Approval has been obtained for these products.

**Certificate No. 141 was awarded to Future Pipe Industries B.V. (The Netherlands) for their GRP pipe**

The Fibrestrong pipes were assessed against the requirements of BS 5480. Additionally on-site procedures (handling, stacking, installation and jointing) were evaluated. The pipes show an impact resistance in excess of 40J. The product is initially approved for use in sewerage applications in size range 300mm – 1600mm.

DWI Approval is currently being sought for the potable water grade pipe.

**Certificates No. 139 and 140 were awarded to H.A.Prince (The Netherlands) for their socket fitting (Isiflo Prince System) and their end-load resistant fitting (Isiflo Prince System end-load resistant)**

The fittings were developed and are produced by H.A.Prince Kunststoffbouw and are marketed through the Raufoss Group. The fittings, made of PE, were assessed against WIS 4-24-01. Factory and on-site procedures were assessed.

The components comply with the requirements of BS 6920 and WRAS Approval is currently being sought for these products.

**Certificate No. 138 was awarded to Waterline Equipment Company Ltd for their epoxy resin lining rig**

The rig was assessed against the WRc Operational Guidelines and Code of Practice for epoxy resin lining for the application of Geopox GX014 resin.

**Certificate No. 135 was awarded to Cemtex Link-Pipe (Egypt) for the installation of the Link-Pipe Grouting Sleeve™ (see Certificate No. 134).**

Cemtex Link-Pipe was assessed against Link-Pipe's Manual: Part 2 Installation. On-site handling and storage, sewer and product preparation, installation and quality control procedures were assessed. Cemtex Link-Pipe is the first contractor to be WRc Approved to install this product.

**Certificate No. 134 was awarded to Link-Pipe Inc. (Canada) for their Link-Pipe Grouting Sleeve™ for the local structural repair of drains and sewers.**

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The product comprises a stainless steel core with a mechanical lock to hold it against the pipe wall, absorbent foam gasket surrounding the core and limit straps to prevent overloading. The foam gasket is impregnated with grout on site.

The product specification, quality control, design methods and installation methods were audit. A structural test programme was undertaken in WRc's Underground Test Facility to rehabilitate broken clay pipes and establish the performance of the repair under load. The installation procedures were audited on-site.

**Certificate No. 130 was awarded to Saint-Gobain Pipelines plc (formerly Stanton plc) for their 'Natural' external protection system for ductile iron pipe.**

The product, which comprises a zinc alloy applied to the pipe by spraying which is topped with a scratch-resistant epoxy finishing coat.

The mechanical performance of the product was assessed by a series of tests. In addition, a technical audit was undertaken of investigations comparing the effectiveness of the 'Natural' system with those of current corrosion protection systems (e.g. zinc and PE sleeving).

**Certificates No. 127, 128 and 129 were awarded to Acuster S.A. of Barcelona (Spain) for their range of butt and electrofusion machines for the welding polyethylene pipes**

The range comprises the 'Twin' butt and electrofusion machine, the 'Logic' electrofusion machine and the 'Dynamic' butt fusion machine.

The machines were assessed against the requirements of WIS 4-32-16 and the details set out on the Assessment Schedule PT/127/0201.

**Certificate No. 126 was awarded to the Anochrome Group for the application of their Galvaplex (Black, Sky Blue, Royal Blue, Meer Green) corrosion protection systems from threaded fasteners**

The product, which comprises zinc and organic coating layers, was assessed against the requirements of WIS 4-52-03.

The testing, manufacture and quality control procedures were assessed, together with the performance test results.

**Certificate No. 125 was awarded to Kenton Utilities and Developments Ltd for the application of epoxy resin lining**

The company was assessed against the WRc Operational Guidelines and Code of Practice for epoxy resin lining for the application of Geopox GX014 resin.

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Assessment also permits listing of approved contractors under Regulation 25 of the Water Supply Regulations.

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**Certificates No. 121, 123 and 124 were awarded to Atlantic Plastics, Groundbreaker and Waterfit for their at-wall meter boxes**

The products were assessed against a single assessment schedule which considered such aspects as pressure capability, resistance to freezing, performance of components and headloss through the system.

**Certificate No. 120 was awarded to Angerlehner (Austria) for their MCS sewer renovation system**

The system consists of:

- reaming the host sewer to a suitable depth, so as to maintain the sewer's flow capacity after relining whilst sustaining structural integrity during installation.
- a GRP lining that provides a watertight and hydraulically smooth flow path and can be designed as a self-bearing structural component of the installed system.
- a grout that fills the void between the GRP lining and the reamed sewer, thereby preventing point loading of the lining and imparting additional load bearing capacity to the installed system.

This assessment (against Assessment Schedule PT/120/1200-AS) considered the generic renovation system such that any suitable GRP lining can be used with the system.

**Certificate No. 108 was awarded to Mercol Products for their new epoxy lining rig**

The rig was assessed (against PT/108/1000) by reviewing the rig design, carrying out type tests and auditing the use of the rig on site in line with current industry requirements for the in-situ lining of pipes.

Particular note of the accuracy of the mixing and monitoring systems, and the out-of-specification alarms.

**Certificate No. 105 was awarded to Trolining GmbH (Germany) for their sewer renovation system**

Approval (against PT/105/0900) has been awarded for this product which is designed for renovating diameters from 300 mm to 3500 mm of any cross-sectional profile.

The assessment took the form of technical audits of the materials and manufacturing process, a review of the installation instructions and a review the suitability of the system for use under typical site conditions.

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**Certificate No. 102 was awarded to Stanton plc for their on-site soil survey service**

WRc have carried out soil assessments for many years and were able to use our technical and practical expertise to review Stanton's soil assessment procedure.

The procedure (against PT/102/0700-AS) covered site assessment and surveying, soil sampling and laboratory analysis.

**Certificate No. 100 was awarded to Flex-Seal Couplings Ltd for their FA200B flexible saddle.**

The flexible saddle is part of a range designed to connect laterals (in a range of materials) to DN450 up to DN 1500 concrete pipes.

The assessment (against Assessment Schedule PT/100/0600-AS) reviewed to performance and testing of the product against agreed criteria. The installation instructions were audited and on-site installation of the product for compliance with the instructions was carried out.