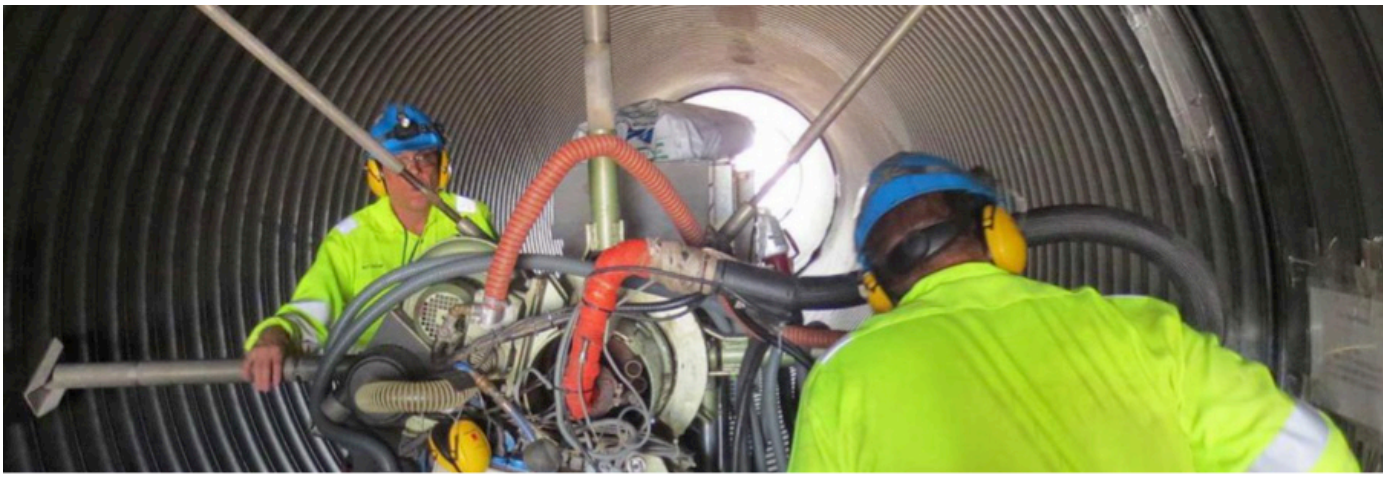
WATER MANAGEMENT

SDS Weholite

Jointing Systems

The most efficient method of jointing is selected for each specific application, in order to ensure that the pipeline remains sand-tight, durable and effective despite the potential for poor ground conditions where there is the risk of excessive movement.



Heat Extrusion Jointing

Carried out by Weholite installation teams, this process provides an economical and fast method of delivering a continuous long length of pipeline, test-proven to be the industry's strongest and most reliable method for joining structured wall pipes of diameters up to 3.5 metres.

Pipe sections are welded together using a substantial amount of Weholite material; consequently the tensile strength of the weld is even stronger than the yield stress of the profile, ensuring that any two sections of pipe, that are welded together, behave as one homogeneous pipeline.

The welding conforms to DIN DVS 2207 "Welding Thermoplastics – Extrusion Welding of Pipes, Piping Parts and Panels.

Lateral Connections

The WRc-approved, Universal Adaptor (UA) Saddle can be used in conjunction with an extra-wide coupling as an easy-to-fit product for connecting 160mm laterals into Weholite post-installation.

Standard and Extra-wide Couplings

Weholite standard couplings are 300mm wide which allows for greater tolerance in the cutting of the ends of the pipe as well as providing for the movement of pipes due to settlement or thermal effects. Extra-wide couplings are used principally for connecting pipes with a diameter of between 400 and 1800mm.

- **Weholite Flat Bands**
  Manufactured from HDPE and with a design life as long as Weholite, these flexible bands are used for sand-tight joints or for location purposes.

- **Others**
  Weholite is able to manufacture and supply PN, bespoke and puddle flanges by design, and to produce HDPE Wall Couplers for casting into concrete structures.

Weholite Certifications

Weholite products meet, comply with and often exceed the applicable standards required by industry.

- **European Standard BS EN 13476** - Plastics piping systems for non-pressure underground drainage and sewerage – structured wall piping systems of unplasticised poly vinyl chloride (PVC-U), polypropylene (PP) and polyethylene (PE).

  This standard took many years to develop and involved most of Europe's plastic pipe manufacturers to ensure commonality across the whole industry in standardising the quality, reliability and longevity of the product. Its introduction has raised the bar for structured-wall plastic pipe system standards right across Europe.

  The standard has been specifically written for structured wall pipe systems made only from one of three materials: HDPE, PP or PVC. As stated by the CEN committee (the European Committee for Standardisation), it is not applicable to, and therefore cannot be used as, a standard for pipes made from other materials, combinations of materials (composite pipes) or pipe systems that do not belong to the clearly defined structured wall family.

  BS EN 13476 covers all aspects of the system for foul and surface water sewers, including factors such as raw materials, wall thicknesses, impact resistance, ring flexibility and structural design requirements.

- **WRc**
  Weholite systems, including any welded joints, are certified by WRc.
  The product meets the requirements set out in WRc Assessment Schedule PT/520/1122-AS - for Weholite Pipe Systems with welded joints in diameter from 900mm to 3500mm (current licence valid until 31/10/2027).

- **Kitemark**
  Weholite systems, including any welded joints, are certified by Kitemark.
  Licence no. KM 560128 covers the manufacture of Weholite pipes, fittings and joints from DN400 to DN3000 diameter.

- **BBA HAPAS**
  Weholite pipe systems from 450mm to 3500mm internal diameter are approved for use by Highways Authorities in England, Wales, Scotland and Northern Ireland as drainage structures (open ended and offline/online attenuation structures for surface and fluvial water).
  Certificate no. 14/H227 covers pipes from 450mm to 900mm internal diameter and is valid from August 2024.
  Certificate no. 18/H283 covers pipes from 1000mm to 3500mm internal diameter and is valid from May 2025.

- **Approved for use in public water supplies**
  Weholite is "Approved for use in public water supplies" DWI Regulation 31 Reference number DWI:
  DWI 56.4.513a – Weholite Tanks (Pipes and Panels) which is in section B1.1 Polyethylene (PE) Pipes;
  DWI 56.4.513b – Weholite Tanks (Pipes and Panels) which is in section E.1. Tanks.

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